

```

*Multilayer Perceptron Network.
MLP Leading_D (MLEVEL=N) WITH D1 D2 D3 D4 D5 D6 D7 D8 D9
/RESCALE COVARIATE=STANDARDIZED
/PARTITION TRAINING=7 TESTING=3 HOLDOUT=0
/ARCHITECTURE AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50)
/CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE
LAMBDAINITIAL=0.000005
SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000
/PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE
/PLOT NETWORK
/STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15)
MAXEPOCHS=AUTO
ERRORCHANGE=1.0E-4 ERRORRATIO=0.001
/MISSING USERMISSING=INCLUDE .

```

Multilayer Perceptron

Notes

Output Created		10-DEC-2020 15:56:44
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Science\Quarantine definition survey\SPSS\NN_EN_covid_nominal_9D.sav
	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	104
	Missing Value Handling	Definition of Missing

Cases Used	Statistics are based on cases with valid data for all variables used by the procedure.
Weight Handling	not applicable
Syntax	<pre> MLP Leading_D (MLEVEL=N) WITH D1 D2 D3 D4 D5 D6 D7 D8 D9 /RESCALE COVARIATE=STANDARDIZ ED /PARTITION TRAINING=7 TESTING=3 HOLDOUT=0 /ARCHITECTURE AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50) /CRITERIA TRAINING=BATCH OPTIMIZATION=SCALED ONJUGATE LAMBDAINITIAL=0.0000005 SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000 /PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE /PLOT NETWORK /STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15) MAXEPOCHS=AUTO ERRORCHANGE=1.0E-4 ERRORRATIO=0.001 /MISSING USERMISSING=INCLUDE . </pre>

Resources	Processor Time	00:00:00.50
	Elapsed Time	00:00:00.52

Case Processing Summary

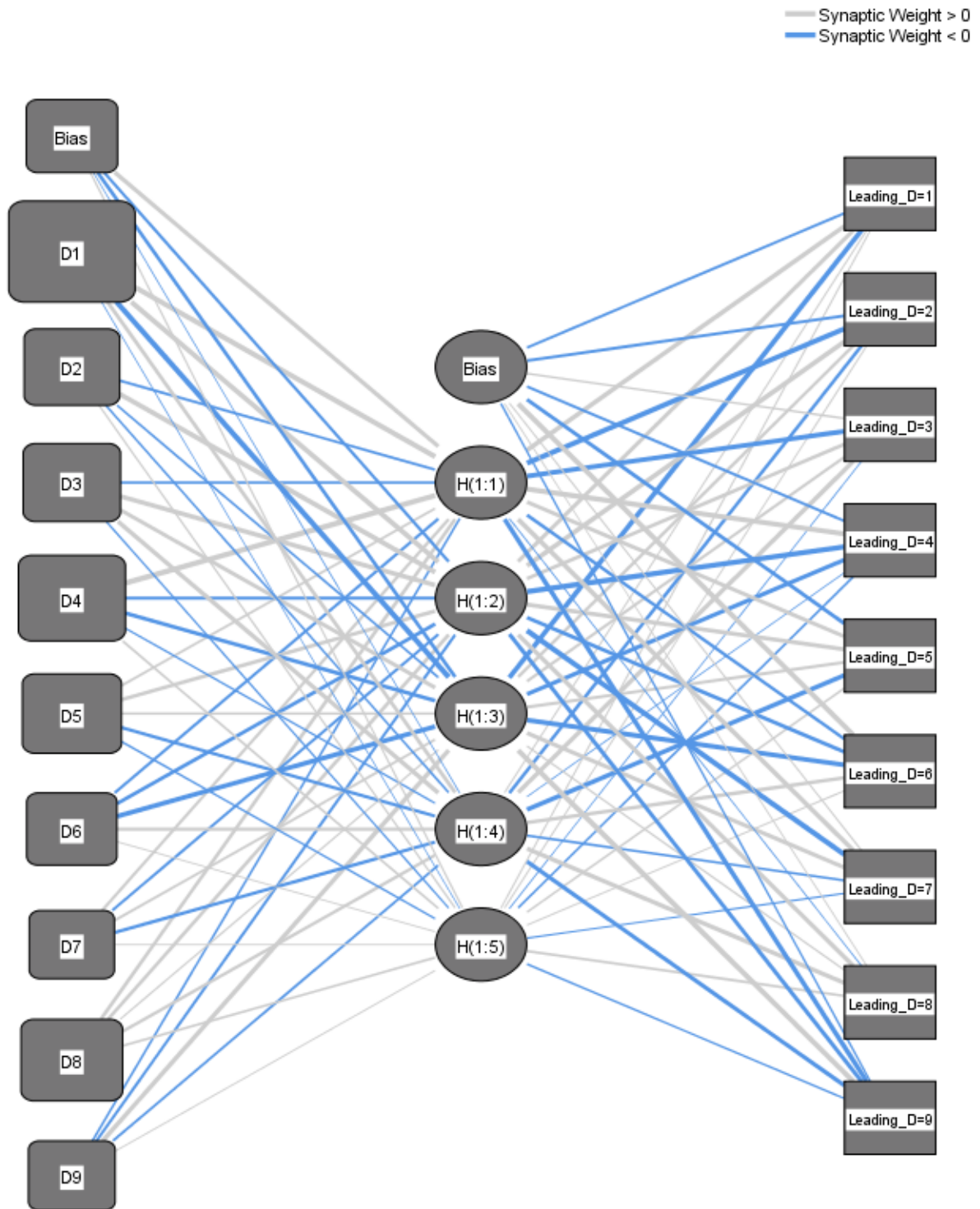
	N	Percent
Sample	Training	75 72.1%
	Testing	29 27.9%
Valid	104	100.0%
Excluded	0	
Total	104	

Network Information

Input Layer	Covariates	1	CONTACT RESTRICTION
		2	SANITATION AND HYGIENE
		3	ISOLATION OF INFECTED
		4	TOTAL ISOLATION
		5	HEALTH CARE
		6	VIRUS DISSEMINATION
		7	LIFESTYLE CHANGES
		8	RIGHTS AND FREEDOMS INFRINGEMENT
		9	BUREAUCRATIC RESPONSE
		Number of Units ^a	9
	Rescaling Method for Covariates	Standardized	
Hidden Layer(s)	Number of Hidden Layers	1	
	Number of Units in Hidden Layer 1 ^a	5	
	Activation Function	Hyperbolic tangent	

Output Layer	Dependent Variables	1	Leading discourse in meaning
	Number of Units		9
	Activation Function		Softmax
	Error Function		Cross-entropy

a. Excluding the bias unit



Hidden layer activation function: Hyperbolic tangent

Output layer activation function: Softmax

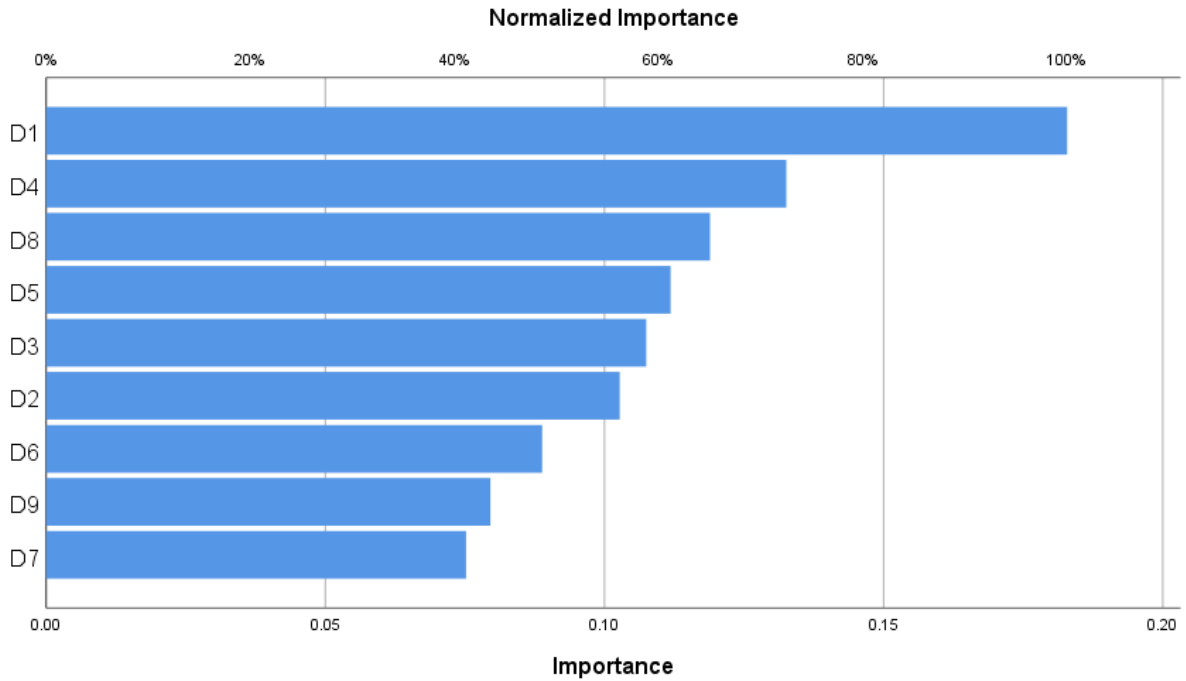
Model Summary

	2	0	5	1	0	0	0	0	0	0	83.3%
	3	0	0	6	0	0	0	0	0	0	100.0%
	4	0	0	0	5	0	1	0	0	0	83.3%
	5	0	0	0	0	2	0	0	0	0	100.0%
	6	4	0	2	1	0	14	0	0	1	63.6%
	7	0	0	0	0	0	1	9	0	0	90.0%
	8	1	0	0	0	0	0	0	1	0	50.0%
	9	0	1	0	0	0	0	0	0	8	88.9%
	Overall	22.7%	8.0%	12.0%	8.0%	2.7%	21.3%	12.0%	1.3%	12.0%	82.7%
	Percent										
Testing	1	9	0	0	0	0	0	0	0	0	100.0%
	2	0	1	0	0	0	0	0	0	0	100.0%
	3	0	0	3	0	0	0	0	0	1	75.0%
	4	0	0	0	1	0	0	0	0	0	100.0%
	5	0	0	0	0	2	0	0	0	0	100.0%
	6	0	0	0	0	0	2	0	0	1	66.7%
	7	0	0	0	0	0	0	3	0	0	100.0%
	8	0	0	0	0	0	1	1	1	0	33.3%
	9	0	0	0	0	0	0	0	0	3	100.0%
	Overall	31.0%	3.4%	10.3%	3.4%	6.9%	10.3%	13.8%	3.4%	17.2%	86.2%
	Percent										

Dependent Variable: Leading discourse in meaning

Independent Variable Importance

	Importance	Normalized Importance
CONTACT RESTRICTION	.183	100.0%
SANITATION AND HYGIENE	.103	56.2%
ISOLATION OF INFECTED	.107	58.8%
TOTAL ISOLATION	.133	72.5%
HEALTH CARE	.112	61.2%
VIRUS DISSEMINATION	.089	48.6%
LIFESTYLE CHANGES	.075	41.1%
RIGHTS AND FREEDOMS INFRINGEMENT	.119	65.0%
BUREAUCRATIC RESPONSE	.080	43.5%



```

*Multilayer Perceptron Network.
MLP Leading_D (MLEVEL=N) WITH D1 D2 D3 D4 D5 D6 D7 D8 D9
/RESCALE COVARIATE=STANDARDIZED
/PARTITION TRAINING=7 TESTING=3 HOLDOUT=0
/ARCHITECTURE AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50)
/CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE
LAMBDAINITIAL=0.0000005
SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000
/PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE
/PLOT NETWORK
/STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15)
MAXEPOCHS=AUTO
  ERRORCHANGE=1.0E-4 ERRORRATIO=0.001
/MISSING USERMISSING=INCLUDE .

```

Multilayer Perceptron

Notes

Output Created

10-DEC-2020 15:56:52

Comments

Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Siience\Quarantine definition survey\SPSS\NN_EN_covid_nominal_9D.sav
	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	104
Missing Value Handling	Definition of Missing	User-missing values for categorical variables are treated as valid data. User-missing values for scale variables and system-missing values for any variables are treated as missing.
	Cases Used	Statistics are based on cases with valid data for all variables used by the procedure.
Weight Handling		not applicable

Syntax

```
MLP Leading_D
(MLEVEL=N) WITH D1 D2
D3 D4 D5 D6 D7 D8 D9
/RESCALE
COVARIATE=STANDARDIZ
ED
/PARTITION
TRAINING=7 TESTING=3
HOLDOUT=0
/ARCHITECTURE
AUTOMATIC=YES
(MINUNITS=1
MAXUNITS=50)
/CRITERIA
TRAINING=BATCH
OPTIMIZATION=SCALED
ONJUGATE
LAMBDAINITIAL=0.0000005
SIGMAINITIAL=0.00005
INTERVALCENTER=0
INTERVALOFFSET=0.5
MEMSIZE=1000
/PRINT CPS
NETWORKINFO SUMMARY
CLASSIFICATION
SOLUTION IMPORTANCE
/PLOT NETWORK
/STOPPINGRULES
ERRORSTEPS= 1
(DATA=AUTO)
TRAININGTIMER=ON
(MAXTIME=15)
MAXEPOCHS=AUTO

ERRORCHANGE=1.0E-4
ERRORRATIO=0.001
/MISSING
USERMISSING=INCLUDE .
```

Resources	Processor Time	00:00:00.52
	Elapsed Time	00:00:00.54

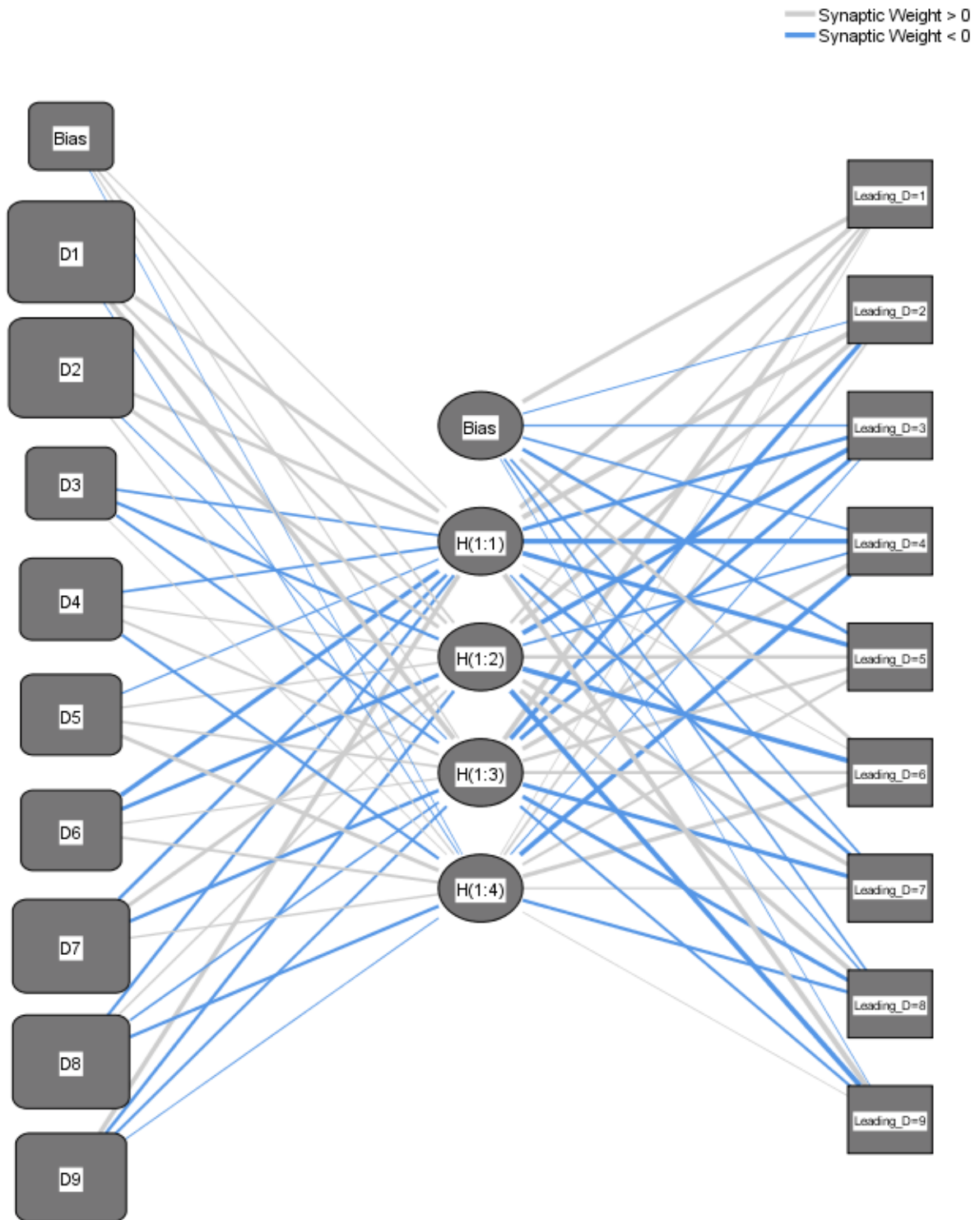
Case Processing Summary

		N	Percent
Sample	Training	59	56.7%
	Testing	45	43.3%
Valid		104	100.0%
Excluded		0	
Total		104	

Network Information

Input Layer	Covariates	1	CONTACT RESTRICTION
		2	SANITATION AND HYGIENE
		3	ISOLATION OF INFECTED
		4	TOTAL ISOLATION
		5	HEALTH CARE
		6	VIRUS DISSEMINATION
		7	LIFESTYLE CHANGES
		8	RIGHTS AND FREEDOMS INFRINGEMENT
		9	BUREAUCRATIC RESPONSE
		Number of Units ^a	
	Rescaling Method for Covariates		Standardized
Hidden Layer(s)	Number of Hidden Layers		1
	Number of Units in Hidden Layer 1 ^a		4
	Activation Function		Hyperbolic tangent
Output Layer	Dependent Variables	1	Leading discourse in meaning
	Number of Units		9
	Activation Function		Softmax
	Error Function		Cross-entropy

a. Excluding the bias unit



Hidden layer activation function: Hyperbolic tangent

Output layer activation function: Softmax

Model Summary

Training	Cross Entropy Error	11.982
	Percent Incorrect Predictions	8.5%
	Stopping Rule Used	1 consecutive step(s) with no decrease in error ^a
	Training Time	0:00:00.08
Testing	Cross Entropy Error	59.852
	Percent Incorrect Predictions	22.2%

Dependent Variable: Leading discourse in meaning

a. Error computations are based on the testing sample.

Parameter Estimates

Predictor	Hidden Layer 1				Output Layer								
	H(1:1)	H(1:2)	H(1:3)	H(1:4)	[Leading_D =1]	[Leading_D =2]	[Leading_D =3]	[Leading_D =4]	[Leading_D =5]	[Leading_D =6]	[Leading_D =7]	[Leading_D =8]	[Leading_D =9]
Input Layer (Bias)	.562	.878	.573	-.018									
D1	2.153	1.245	3.258	-.350									
D2	1.771	1.810	-.512	.599									
D3	-.943	-1.339	-1.103	.293									
D4	-1.006	.653	1.040	-1.185									
D5	-.620	.668	.938	1.961									
D6	-2.356	-2.005	.590	1.114									
D7	-1.501	1.907	-1.766	.716									
D8	-1.255	.792	-.803	-1.448									
D9	2.508	-1.377	-1.049	-.403									
Hidden Layer 1 (Bias)					2.393	-.429	-.798	-.898	-1.611	1.769	-.870	-.828	-.031
H(1:1)					2.622	4.027	-1.845	-3.634	-2.539	.370	-1.769	-.628	4.497
H(1:2)					1.163	2.475	-3.038	-.929	1.785	-3.377	2.255	2.694	-3.730
H(1:3)					3.137	-2.450	-2.178	2.343	1.743	1.523	-2.264	-2.032	-1.057
H(1:4)					.263	.865	-.411	-2.696	1.226	2.192	.642	-1.395	.069

Classification

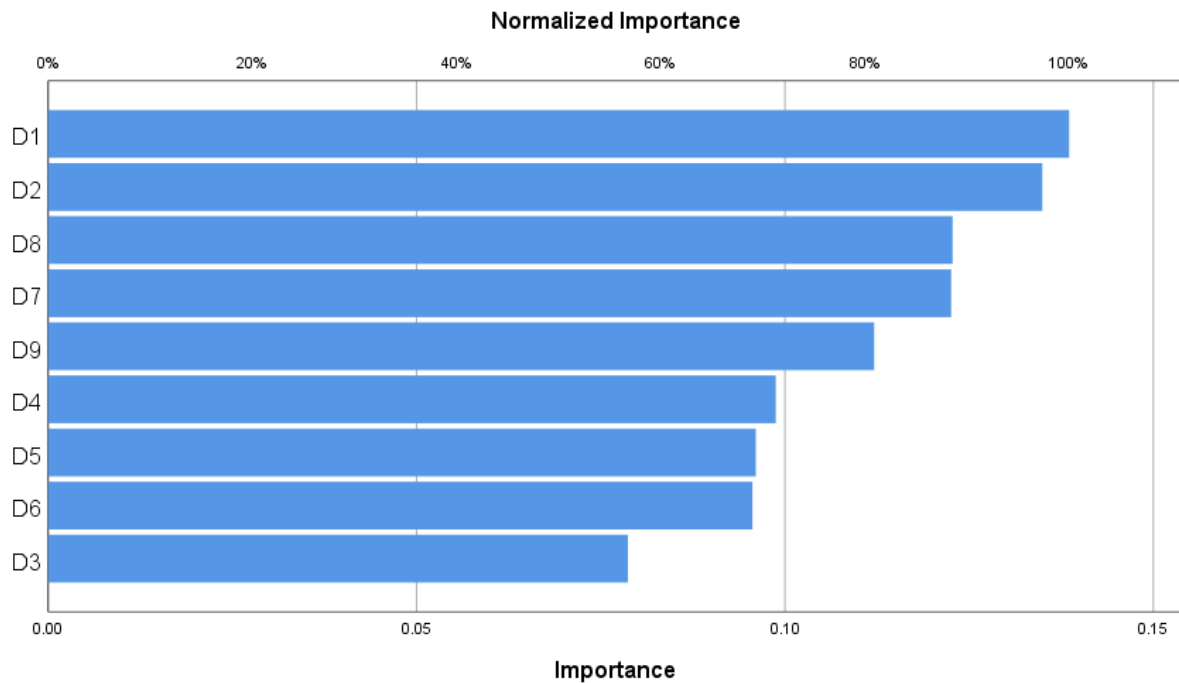
Sample	Observed	Predicted									Percent Correct
		1	2	3	4	5	6	7	8	9	
Training	1	16	0	0	0	0	0	0	0	0	100.0%
	2	0	4	0	0	0	0	0	0	0	100.0%
	3	0	0	5	0	0	0	0	0	0	100.0%
	4	0	0	0	4	0	0	0	0	0	100.0%
	5	0	0	0	0	3	0	0	0	0	100.0%
	6	2	0	2	0	0	4	0	0	0	50.0%
	7	0	0	0	0	0	0	5	1	0	83.3%
	8	0	0	0	0	0	0	0	3	0	100.0%
	9	0	0	0	0	0	0	0	0	10	100.0%
	Overall		30.5%	6.8%	11.9%	6.8%	5.1%	6.8%	8.5%	6.8%	16.9%
Percent											
Testing	1	3	1	0	1	0	0	0	0	0	60.0%
	2	0	3	0	0	0	0	0	0	0	100.0%
	3	0	1	4	0	0	0	0	0	0	80.0%
	4	0	0	0	3	0	0	0	0	0	100.0%
	5	0	0	0	0	1	0	0	0	0	100.0%
	6	1	0	1	1	0	11	2	0	1	64.7%
	7	0	0	0	0	0	0	7	0	0	100.0%
	8	0	0	0	0	0	0	0	2	0	100.0%
	9	0	1	0	0	0	0	0	0	1	50.0%
	Overall		8.9%	13.3%	11.1%	11.1%	2.2%	24.4%	20.0%	4.4%	4.4%
Percent											

Dependent Variable: Leading discourse in meaning

Independent Variable Importance

	Importance	Normalized Importance
CONTACT RESTRICTION	.139	100.0%
SANITATION AND HYGIENE	.135	97.4%
ISOLATION OF INFECTED	.079	56.8%
TOTAL ISOLATION	.099	71.3%
HEALTH CARE	.096	69.3%

VIRUS DISSEMINATION	.096	69.0%
LIFESTYLE CHANGES	.123	88.4%
RIGHTS AND FREEDOMS INFRINGEMENT	.123	88.6%
BUREAUCRATIC RESPONSE	.112	80.9%



```

*Multilayer Perceptron Network.
MLP Leading_D (MLEVEL=N) WITH D1 D2 D3 D4 D5 D6 D7 D8 D9
/RESCALE COVARIATE=STANDARDIZED
/PARTITION TRAINING=7 TESTING=3 HOLDOUT=0
/ARCHITECTURE AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50)
/CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE
LAMBDAINITIAL=0.000005
SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000
/PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE
/PLOT NETWORK
/STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15)
MAXEPOCHS=AUTO
ERRORCHANGE=1.0E-4 ERRORRATIO=0.001
/MISSING USERMISSING=INCLUDE .

```

Multilayer Perceptron

Notes

Output Created		10-DEC-2020 15:56:59
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\MyDocs\Science\Quarantine definition survey\SPSS\NN_EN_covid_nominal_9D.sav
	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	104
Missing Value Handling	Definition of Missing	User-missing values for categorical variables are treated as valid data. User-missing values for scale variables and system-missing values for any variables are treated as missing.
	Cases Used	Statistics are based on cases with valid data for all variables used by the procedure.
Weight Handling		not applicable

Syntax

```

MLP Leading_D
(MLEVEL=N) WITH D1 D2
D3 D4 D5 D6 D7 D8 D9
/RESCALE
COVARIATE=STANDARDIZ
ED
/PARTITION
TRAINING=7 TESTING=3
HOLDOUT=0
/ARCHITECTURE
AUTOMATIC=YES
(MINUNITS=1
MAXUNITS=50)
/CRITERIA
TRAINING=BATCH
OPTIMIZATION=SCALED
ONJUGATE
LAMBDAINITIAL=0.0000005
SIGMAINITIAL=0.00005
INTERVALCENTER=0
INTERVALOFFSET=0.5
MEMSIZE=1000
/PRINT CPS
NETWORKINFO SUMMARY
CLASSIFICATION
SOLUTION IMPORTANCE
/PLOT NETWORK
/STOPPINGRULES
ERRORSTEPS= 1
(DATA=AUTO)
TRAININGTIMER=ON
(MAXTIME=15)
MAXEPOCHS=AUTO

ERRORCHANGE=1.0E-4
ERRORRATIO=0.001
/MISSING
USERMISSING=INCLUDE .
    
```

Resources	Processor Time	00:00:00.59
	Elapsed Time	00:00:00.58

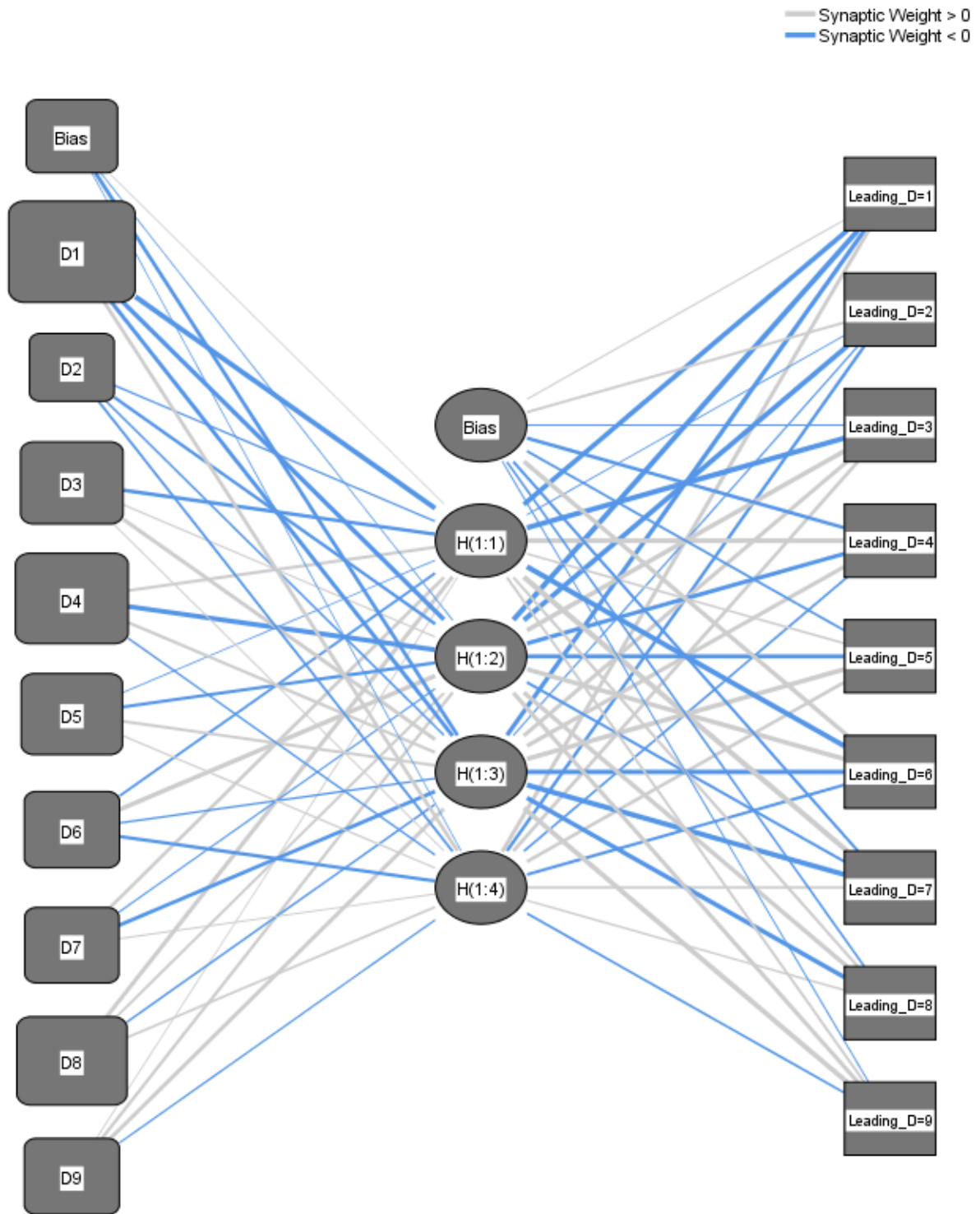
Case Processing Summary

		N	Percent
Sample	Training	78	75.0%
	Testing	26	25.0%
Valid		104	100.0%
Excluded		0	
Total		104	

Network Information

Input Layer	Covariates	1	CONTACT RESTRICTION
		2	SANITATION AND HYGIENE
		3	ISOLATION OF INFECTED
		4	TOTAL ISOLATION
		5	HEALTH CARE
		6	VIRUS DISSEMINATION
		7	LIFESTYLE CHANGES
		8	RIGHTS AND FREEDOMS INFRINGEMENT
		9	BUREAUCRATIC RESPONSE
		Number of Units ^a	
	Rescaling Method for Covariates		Standardized
Hidden Layer(s)	Number of Hidden Layers		1
	Number of Units in Hidden Layer 1 ^a		4
	Activation Function		Hyperbolic tangent
Output Layer	Dependent Variables	1	Leading discourse in meaning
	Number of Units		9
	Activation Function		Softmax
	Error Function		Cross-entropy

a. Excluding the bias unit



Hidden layer activation function: Hyperbolic tangent

Output layer activation function: Softmax

Model Summary

Training	Cross Entropy Error	32.859
	Percent Incorrect Predictions	15.4%
	Stopping Rule Used	1 consecutive step(s) with no decrease in error ^a
	Training Time	0:00:00.09
Testing	Cross Entropy Error	23.847
	Percent Incorrect Predictions	15.4%

Dependent Variable: Leading discourse in meaning

a. Error computations are based on the testing sample.

Parameter Estimates

Predictor	Hidden Layer 1				Output Layer								
	H(1:1)	H(1:2)	H(1:3)	H(1:4)	[Leading_D =1]	[Leading_D =2]	[Leading_D =3]	[Leading_D =4]	[Leading_D =5]	[Leading_D =6]	[Leading_D =7]	[Leading_D =8]	[Leading_D =9]
Input Layer (Bias)	.027	-.087	-1.041	-.059									
D1	-2.132	-1.481	-1.265	1.029									
D2	-.447	-.890	-.560	-.692									
D3	-1.038	.290	1.172	.206									
D4	.886	-1.868	.842	-.456									
D5	-.148	-.900	.819	.371									
D6	-.705	1.495	-.469	-.940									
D7	.941	-.354	-1.159	.244									
D8	1.351	.753	-.530	.679									
D9	.176	.855	1.224	-.394									
Hidden Layer 1 (Bias)					.263	.739	-.212	-1.010	-.608	1.379	-.774	-.564	-.233
H(1:1)					-1.853	-.196	-2.328	1.847	.588	-2.167	2.365	.794	.737
H(1:2)					-2.190	-1.937	1.753	-1.369	-1.378	1.818	-.765	1.400	1.343
H(1:3)					-1.418	-.364	1.232	1.292	1.824	-1.759	-2.161	-1.628	1.915
H(1:4)					1.209	-.894	.991	-.599	.936	-.824	.723	.507	-.602

Classification

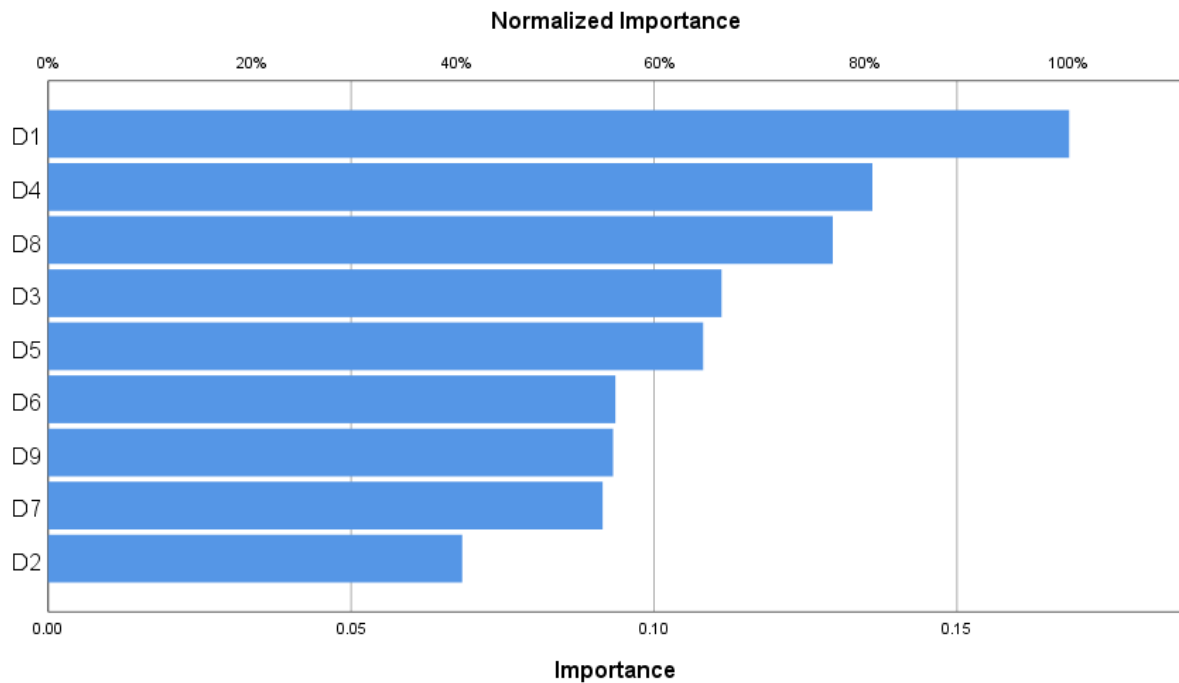
Sample	Observed	Predicted									Percent Correct
		1	2	3	4	5	6	7	8	9	
Training	1	13	0	0	0	0	0	1	0	0	92.9%
	2	0	6	0	0	0	0	0	0	0	100.0%
	3	0	0	3	0	0	3	0	0	0	50.0%
	4	0	0	0	4	0	0	0	0	0	100.0%
	5	0	0	0	0	4	0	0	0	0	100.0%
	6	3	0	0	0	0	17	0	0	1	81.0%
	7	0	0	0	0	0	1	10	1	0	83.3%
	8	0	0	0	0	0	1	0	2	0	66.7%
	9	0	1	0	0	0	0	0	0	7	87.5%
	Overall		20.5%	9.0%	3.8%	5.1%	5.1%	28.2%	14.1%	3.8%	10.3%
Percent											
Testing	1	7	0	0	0	0	0	0	0	0	100.0%
	2	0	1	0	0	0	0	0	0	0	100.0%
	3	0	0	2	0	0	2	0	0	0	50.0%
	4	1	0	0	2	0	0	0	0	0	66.7%
	5	0	0	0	0	0	0	0	0	0	0.0%
	6	0	0	0	1	0	3	0	0	0	75.0%
	7	0	0	0	0	0	0	1	0	0	100.0%
	8	0	0	0	0	0	0	0	2	0	100.0%
	9	0	0	0	0	0	0	0	0	4	100.0%
	Overall		30.8%	3.8%	7.7%	11.5%	0.0%	19.2%	3.8%	7.7%	15.4%
Percent											

Dependent Variable: Leading discourse in meaning

Independent Variable Importance

	Importance	Normalized Importance
CONTACT RESTRICTION	.169	100.0%
SANITATION AND HYGIENE	.068	40.6%
ISOLATION OF INFECTED	.111	66.0%
TOTAL ISOLATION	.136	80.7%
HEALTH CARE	.108	64.2%

VIRUS DISSEMINATION	.094	55.6%
LIFESTYLE CHANGES	.092	54.3%
RIGHTS AND FREEDOMS INFRINGEMENT	.129	76.8%
BUREAUCRATIC RESPONSE	.093	55.3%



```

*Multilayer Perceptron Network.
MLP Leading_D (MLEVEL=N) WITH D1 D2 D3 D4 D5 D6 D7 D8 D9
/RESCALE COVARIATE=STANDARDIZED
/PARTITION TRAINING=7 TESTING=3 HOLDOUT=0
/ARCHITECTURE AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50)
/CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE
LAMBDAINITIAL=0.000005
SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000
/PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE
/PLOT NETWORK
/STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15)
MAXEPOCHS=AUTO
ERRORCHANGE=1.0E-4 ERRORRATIO=0.001
/MISSING USERMISSING=INCLUDE .

```

Multilayer Perceptron

Notes

Output Created		10-DEC-2020 15:57:07
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\MyDocs\Science\Quarantine definition survey\SPSS\NN_EN_covid_nominal_9D.sav
	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	104
Missing Value Handling	Definition of Missing	User-missing values for categorical variables are treated as valid data. User-missing values for scale variables and system-missing values for any variables are treated as missing.
	Cases Used	Statistics are based on cases with valid data for all variables used by the procedure.
Weight Handling		not applicable

Syntax

```

MLP Leading_D
(MLEVEL=N) WITH D1 D2
D3 D4 D5 D6 D7 D8 D9
/RESCALE
COVARIATE=STANDARDIZ
ED
/PARTITION
TRAINING=7 TESTING=3
HOLDOUT=0
/ARCHITECTURE
AUTOMATIC=YES
(MINUNITS=1
MAXUNITS=50)
/CRITERIA
TRAINING=BATCH
OPTIMIZATION=SCALED
ONJUGATE
LAMBDAINITIAL=0.0000005
SIGMAINITIAL=0.00005
INTERVALCENTER=0
INTERVALOFFSET=0.5
MEMSIZE=1000
/PRINT CPS
NETWORKINFO SUMMARY
CLASSIFICATION
SOLUTION IMPORTANCE
/PLOT NETWORK
/STOPPINGRULES
ERRORSTEPS= 1
(DATA=AUTO)
TRAININGTIMER=ON
(MAXTIME=15)
MAXEPOCHS=AUTO

ERRORCHANGE=1.0E-4
ERRORRATIO=0.001
/MISSING
USERMISSING=INCLUDE .

```

Resources	Processor Time	00:00:00.61
	Elapsed Time	00:00:00.56

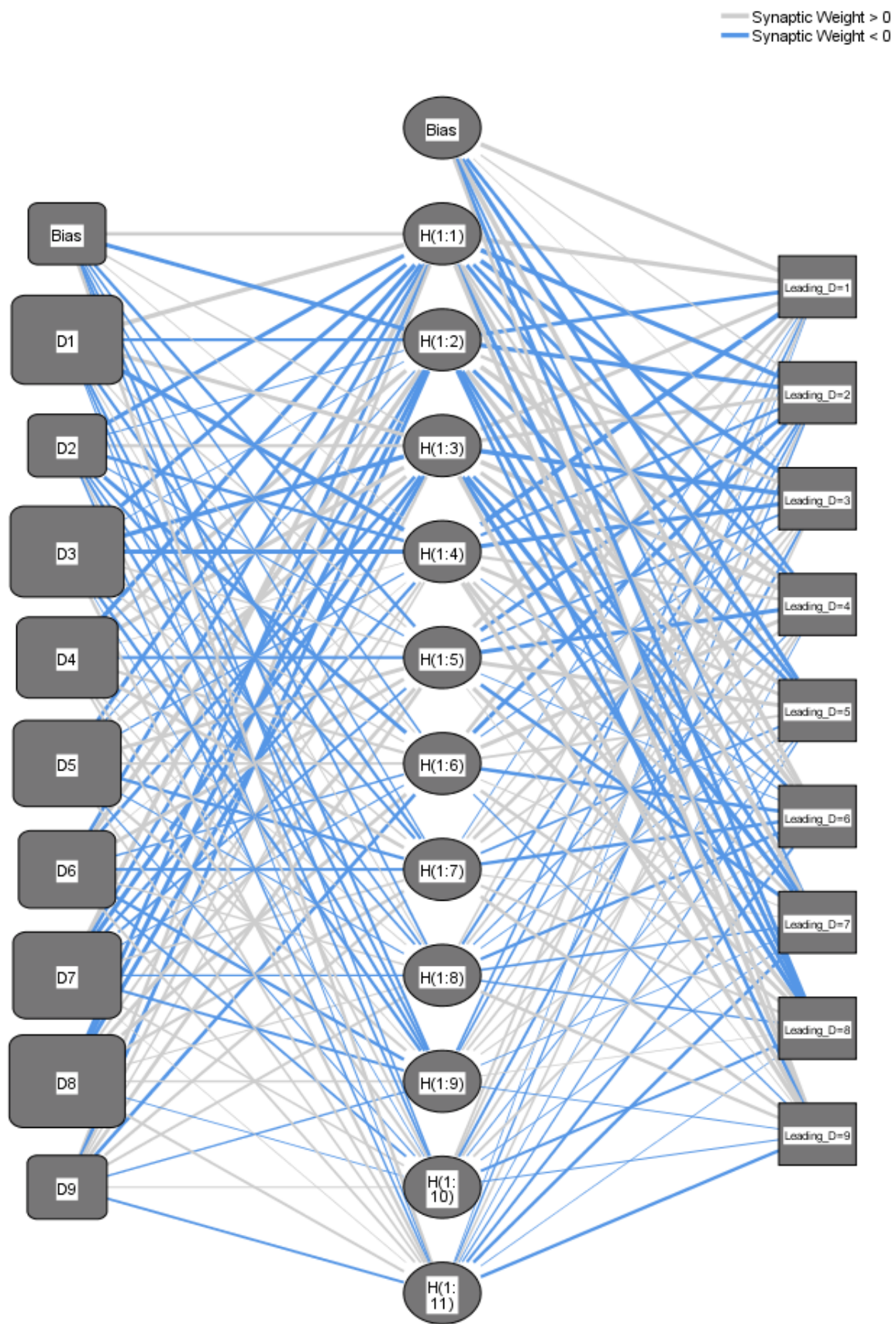
Case Processing Summary

		N	Percent
Sample	Training	72	69.2%
	Testing	32	30.8%
Valid		104	100.0%
Excluded		0	
Total		104	

Network Information

Input Layer	Covariates	1	CONTACT RESTRICTION
		2	SANITATION AND HYGIENE
		3	ISOLATION OF INFECTED
		4	TOTAL ISOLATION
		5	HEALTH CARE
		6	VIRUS DISSEMINATION
		7	LIFESTYLE CHANGES
		8	RIGHTS AND FREEDOMS INFRINGEMENT
		9	BUREAUCRATIC RESPONSE
		Number of Units ^a	
	Rescaling Method for Covariates		Standardized
Hidden Layer(s)	Number of Hidden Layers		1
	Number of Units in Hidden Layer 1 ^a		11
	Activation Function		Hyperbolic tangent
Output Layer	Dependent Variables	1	Leading discourse in meaning
	Number of Units		9
	Activation Function		Softmax
	Error Function		Cross-entropy

a. Excluding the bias unit



Hidden layer activation function: Hyperbolic tangent

Output layer activation function: Softmax

Model Summary

Training	Cross Entropy Error	14.650
	Percent Incorrect Predictions	8.3%
	Stopping Rule Used	1 consecutive step(s) with no decrease in error ^a
	Training Time	0:00:00.09
Testing	Cross Entropy Error	16.078
	Percent Incorrect Predictions	15.6%

Dependent Variable: Leading discourse in meaning

a. Error computations are based on the testing sample.

Parameter Estimates

		Hidden Layer 1										Output Layer										
Predictor		H(1:1)	H(1:2)	H(1:3)	H(1:4)	H(1:5)	H(1:6)	H(1:7)	H(1:8)	H(1:9)	H(1:10)	H(1:11)	Leading_D=	Leading_D=	Leading_D=	Leading_D=	Leading_D=	Leading_D=	Leading_D=	Leading_D=		
													1)	2)	3)	4)	5)	6)	7)	8)	9)	
Input Layer	(Bias)	.667	-1.167	.159	.026	-.432	-.206	-.137	-.251	-.371	-.207	.492										
	D1	1.551	-.429	1.175	-1.726	.137	.069	-.424	.069	-.342	-.258	-.095										
	D2	-1.198	-.073	.424	-.536	-.121	-1.012	-.367	-.218	-.395	.239	-.201										
	D3	-1.195	-.036	-1.954	-1.350	.171	.128	.163	-.237	-.433	-.026	.442										
	D4	-1.709	1.145	1.219	.017	-.393	-.377	.651	.069	.073	.371	.258										
	D5	-.964	-.131	.931	-.140	.885	.279	-.450	-.119	.364	-.121	.212										
	D6	-.737	2.654	-.636	.002	.707	-.189	-.374	.185	-.451	-.279	.262										
	D7	1.975	-.716	-1.496	-.445	-.290	-.094	.215	-.145	-.349	.206	.007										
	D8	-.716	-1.449	-1.275	.310	.789	.742	.427	.096	.189	-.048	.314										
	D9	.627	-.908	.416	.189	.783	-.654	.398	.329	-.190	.072	-.301										
Hidden Layer	(Bias)												1.610	.130	.003	-.662	-1.370	2.571	-.313	-1.054	.585	
	H(1:1)												2.230	-2.041	-2.381	-.836	-1.088	.335	3.270	-1.337	2.053	
	H(1:2)												-1.075	-1.927	.543	2.188	-1.070	3.907	-.960	-1.423	-.598	
	H(1:3)												1.113	.861	-2.882	2.803	1.142	-.570	-3.142	-2.162	1.857	
	H(1:4)												-3.289	-.376	-1.359	-.431	.813	-.087	.451	1.301	1.545	
	H(1:5)												.869	-.990	-.256	-1.252	1.210	-.036	-.746	1.077	.036	
	H(1:6)												.672	-1.268	-.115	1.150	.292	-.672	.078	.464	-.131	
	H(1:7)												-.051	.170	.572	-.264	-.239	-.564	.063	.340	.544	
	H(1:8)												.192	-.362	.221	-.120	-.047	-.427	-.222	-.192	.465	

H1:9)												-219	-214	.137	.255	-.163	.112	-.034	.011	-.060
H1:10												.299	.316	-.332	.298	-.073	.258	-.045	-.349	-.076
H1:11												-.025	-.168	.202	-.029	-.133	-.347	-.467	-.008	-.473

Classification

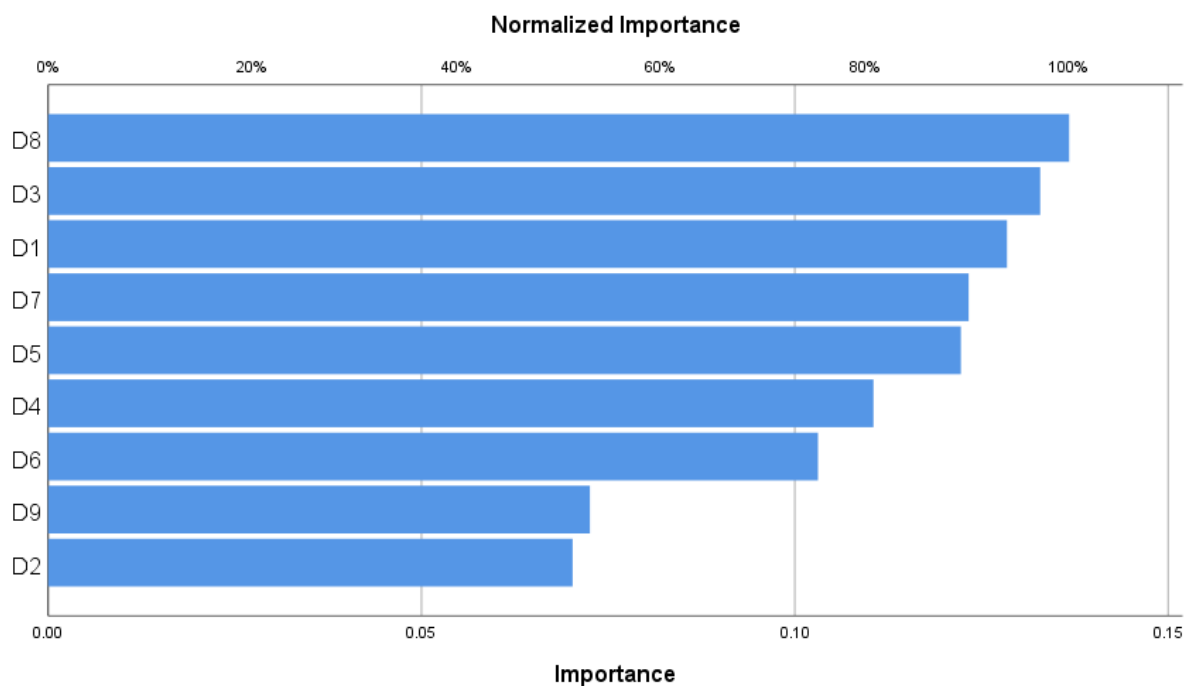
Sample	Observed	Predicted									Percent Correct
		1	2	3	4	5	6	7	8	9	
Training	1	13	0	0	0	0	0	0	0	0	100.0%
	2	0	7	0	0	0	0	0	0	0	100.0%
	3	0	0	7	0	0	0	0	0	0	100.0%
	4	0	0	0	6	0	1	0	0	0	85.7%
	5	0	0	0	0	1	0	0	0	0	100.0%
	6	1	0	1	0	0	15	0	0	1	83.3%
	7	0	0	0	0	0	1	9	0	0	90.0%
	8	0	0	0	0	0	0	0	3	0	100.0%
	9	0	1	0	0	0	0	0	0	5	83.3%
	Overall	19.4%	11.1%	11.1%	8.3%	1.4%	23.6%	12.5%	4.2%	8.3%	91.7%
	Percent										
Testing	1	8	0	0	0	0	0	0	0	0	100.0%
	2	0	0	0	0	0	0	0	0	0	0.0%
	3	0	0	3	0	0	0	0	0	0	100.0%
	4	0	0	0	0	0	0	0	0	0	0.0%
	5	1	0	0	0	2	0	0	0	0	66.7%
	6	1	0	2	0	0	4	0	0	0	57.1%
	7	0	0	0	0	0	0	3	0	0	100.0%
	8	0	0	0	0	0	0	1	1	0	50.0%
	9	0	0	0	0	0	0	0	0	6	100.0%
	Overall	31.3%	0.0%	15.6%	0.0%	6.3%	12.5%	12.5%	3.1%	18.8%	84.4%
	Percent										

Dependent Variable: Leading discourse in meaning

Independent Variable Importance

	Importance	Normalized Importance
CONTACT RESTRICTION	.128	93.9%

SANITATION AND HYGIENE	.070	51.4%
ISOLATION OF INFECTED	.133	97.2%
TOTAL ISOLATION	.111	80.8%
HEALTH CARE	.122	89.4%
VIRUS DISSEMINATION	.103	75.4%
LIFESTYLE CHANGES	.123	90.2%
RIGHTS AND FREEDOMS INFRINGEMENT	.137	100.0%
BUREAUCRATIC RESPONSE	.073	53.1%



```

*Multilayer Perceptron Network.
MLP Leading_D (MLEVEL=N) WITH D1 D2 D3 D4 D5 D6 D7 D8 D9
/RESCALE COVARIATE=STANDARDIZED
/PARTITION TRAINING=7 TESTING=3 HOLDOUT=0
/ARCHITECTURE AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50)
/CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE
LAMBDAINITIAL=0.000005
SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000
/PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE
/PLOT NETWORK
/STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15)
MAXEPOCHS=AUTO
ERRORCHANGE=1.0E-4 ERRORRATIO=0.001
/MISSING USERMISSING=INCLUDE .

```

Multilayer Perceptron

Notes

Output Created		10-DEC-2020 15:57:17
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\MyDocs\Science\Quarantine definition survey\SPSS\NN_EN_covid_nominal_9D.sav
	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	104
Missing Value Handling	Definition of Missing	User-missing values for categorical variables are treated as valid data. User-missing values for scale variables and system-missing values for any variables are treated as missing.
	Cases Used	Statistics are based on cases with valid data for all variables used by the procedure.
Weight Handling		not applicable

Syntax

```
MLP Leading_D
(MLEVEL=N) WITH D1 D2
D3 D4 D5 D6 D7 D8 D9
/RESCALE
COVARIATE=STANDARDIZ
ED
/PARTITION
TRAINING=7 TESTING=3
HOLDOUT=0
/ARCHITECTURE
AUTOMATIC=YES
(MINUNITS=1
MAXUNITS=50)
/CRITERIA
TRAINING=BATCH
OPTIMIZATION=SCALED
ONJUGATE
LAMBDAINITIAL=0.0000005
SIGMAINITIAL=0.00005
INTERVALCENTER=0
INTERVALOFFSET=0.5
MEMSIZE=1000
/PRINT CPS
NETWORKINFO SUMMARY
CLASSIFICATION
SOLUTION IMPORTANCE
/PLOT NETWORK
/STOPPINGRULES
ERRORSTEPS= 1
(DATA=AUTO)
TRAININGTIMER=ON
(MAXTIME=15)
MAXEPOCHS=AUTO

ERRORCHANGE=1.0E-4
ERRORRATIO=0.001
/MISSING
USERMISSING=INCLUDE .
```

Resources	Processor Time	00:00:00.53
	Elapsed Time	00:00:00.54

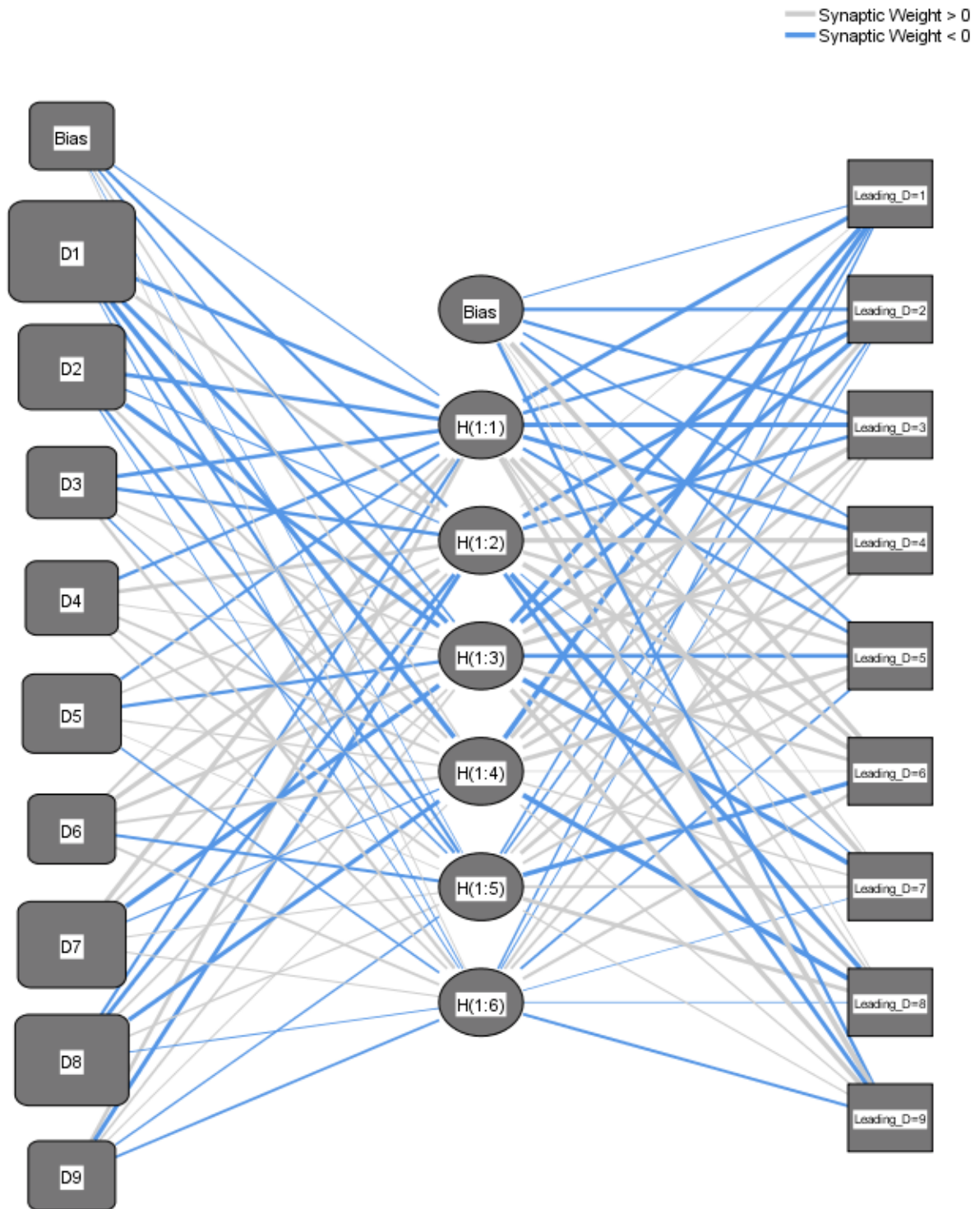
Case Processing Summary

		N	Percent
Sample	Training	73	70.2%
	Testing	31	29.8%
Valid		104	100.0%
Excluded		0	
Total		104	

Network Information

Input Layer	Covariates	1	CONTACT RESTRICTION
		2	SANITATION AND HYGIENE
		3	ISOLATION OF INFECTED
		4	TOTAL ISOLATION
		5	HEALTH CARE
		6	VIRUS DISSEMINATION
		7	LIFESTYLE CHANGES
		8	RIGHTS AND FREEDOMS INFRINGEMENT
		9	BUREAUCRATIC RESPONSE
		Number of Units ^a	
	Rescaling Method for Covariates		Standardized
Hidden Layer(s)	Number of Hidden Layers		1
	Number of Units in Hidden Layer 1 ^a		6
	Activation Function		Hyperbolic tangent
Output Layer	Dependent Variables	1	Leading discourse in meaning
	Number of Units		9
	Activation Function		Softmax
	Error Function		Cross-entropy

a. Excluding the bias unit



Hidden layer activation function: Hyperbolic tangent

Output layer activation function: Softmax

Model Summary

Training	Cross Entropy Error	8.221
	Percent Incorrect Predictions	5.5%
	Stopping Rule Used	1 consecutive step(s) with no decrease in error ^a
	Training Time	0:00:00.05
Testing	Cross Entropy Error	40.837
	Percent Incorrect Predictions	32.3%

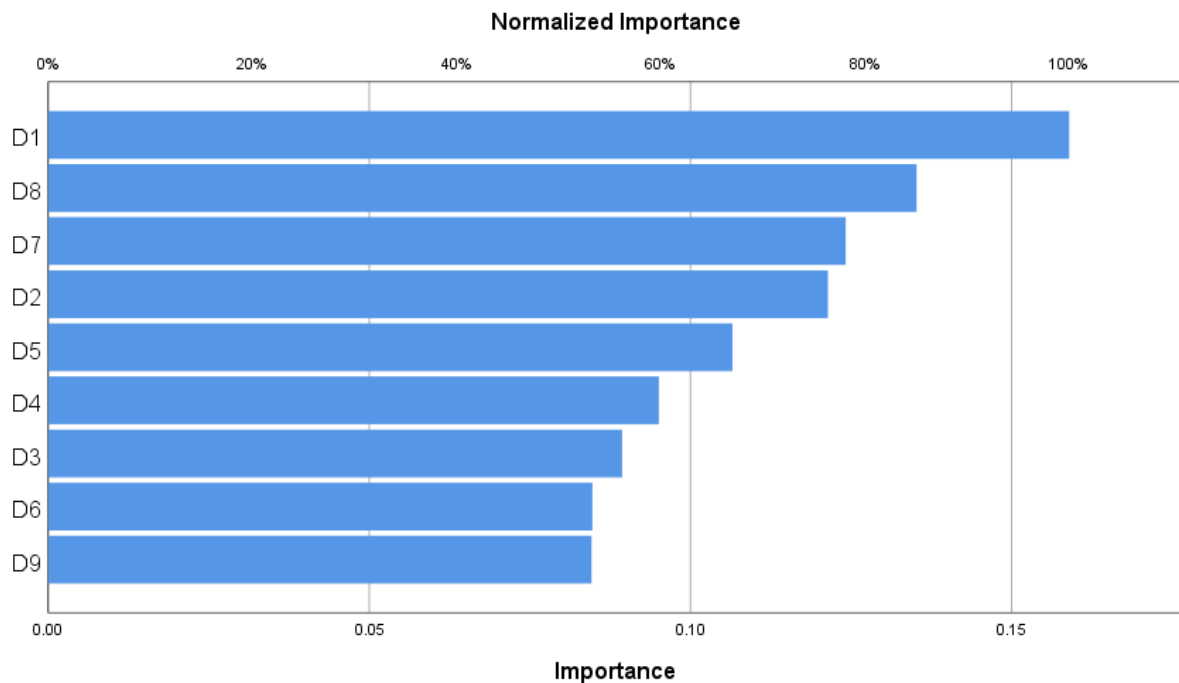
Dependent Variable: Leading discourse in meaning

a. Error computations are based on the testing sample.

Parameter Estimates

Predictor	Hidden Layer 1						Output Layer									
	H(1:1)	H(1:2)	H(1:3)	H(1:4)	H(1:5)	H(1:6)	[Leading_D= 1]	[Leading_D= 2]	[Leading_D= 3]	[Leading_D= 4]	[Leading_D= 5]	[Leading_D= 6]	[Leading_D= 7]	[Leading_D= 8]	[Leading_D= 9]	
Input Layer	(Bias)	-.312	-.906	-.402	.361	-.007	.112									
	D1	-1.559	1.144	-1.763	-2.420	-.811	-.127									
	D2	-1.363	-.307	-1.970	.614	-.815	-.136									
	D3	-1.250	-1.063	.535	.251	-.381	.878									
	D4	-.907	1.191	.124	.622	.590	.507									
	D5	-.788	.497	-.934	.310	.054	-.401									
	D6	.679	1.682	1.146	.612	-.721	.554									
	D7	2.027	.670	-2.229	-.299	.143	-.212									
	D8	-.793	-1.216	.428	-1.535	.374	-.134									
	D9	1.123	-1.579	.475	.188	-.363	-.551									
Hidden Layer	(Bias)							-.195	-1.003	-.971	-.528	-.700	3.116	.065	.090	-1.022
1	H(1:1)							-1.651	-1.061	-2.246	-1.564	-.881	1.632	3.451	.394	3.777
	H(1:2)							.038	-2.045	-1.166	2.274	1.163	2.838	-.232	-2.415	-1.420
	H(1:3)							-2.656	-2.136	2.075	2.054	-1.304	1.176	-3.004	1.041	2.122
	H(1:4)							-3.344	1.407	1.154	1.111	1.708	.036	.339	-3.381	.317
	H(1:5)							-.455	-.432	.393	1.201	.684	-2.008	.540	1.369	.246

TOTAL ISOLATION	.095	59.8%
HEALTH CARE	.107	67.0%
VIRUS DISSEMINATION	.085	53.3%
LIFESTYLE CHANGES	.124	78.1%
RIGHTS AND FREEDOMS INFRINGEMENT	.135	85.1%
BUREAUCRATIC RESPONSE	.085	53.2%



```

*Multilayer Perceptron Network.
MLP Leading_D (MLEVEL=N) WITH D1 D2 D3 D4 D5 D6 D7 D8 D9
/RESCALE COVARIATE=STANDARDIZED
/PARTITION TRAINING=7 TESTING=3 HOLDOUT=0
/ARCHITECTURE AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50)
/CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE
LAMBDAINITIAL=0.000005
SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000
/PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE
/PLOT NETWORK
/STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15)
MAXEPOCHS=AUTO
ERRORCHANGE=1.0E-4 ERRORRATIO=0.001
/MISSING USERMISSING=INCLUDE .

```

Multilayer Perceptron

Notes

Output Created		10-DEC-2020 15:57:25
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\MyDocs\Science\Quarantine definition survey\SPSS\NN_EN_covid_nominal_9D.sav
	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	104
Missing Value Handling	Definition of Missing	User-missing values for categorical variables are treated as valid data. User-missing values for scale variables and system-missing values for any variables are treated as missing.
	Cases Used	Statistics are based on cases with valid data for all variables used by the procedure.
Weight Handling		not applicable

Syntax

```
MLP Leading_D
(MLEVEL=N) WITH D1 D2
D3 D4 D5 D6 D7 D8 D9
/RESCALE
COVARIATE=STANDARDIZ
ED
/PARTITION
TRAINING=7 TESTING=3
HOLDOUT=0
/ARCHITECTURE
AUTOMATIC=YES
(MINUNITS=1
MAXUNITS=50)
/CRITERIA
TRAINING=BATCH
OPTIMIZATION=SCALED
ONJUGATE
LAMBDAINITIAL=0.0000005
SIGMAINITIAL=0.00005
INTERVALCENTER=0
INTERVALOFFSET=0.5
MEMSIZE=1000
/PRINT CPS
NETWORKINFO SUMMARY
CLASSIFICATION
SOLUTION IMPORTANCE
/PLOT NETWORK
/STOPPINGRULES
ERRORSTEPS= 1
(DATA=AUTO)
TRAININGTIMER=ON
(MAXTIME=15)
MAXEPOCHS=AUTO

ERRORCHANGE=1.0E-4
ERRORRATIO=0.001
/MISSING
USERMISSING=INCLUDE .
```

Resources	Processor Time	00:00:00.52
	Elapsed Time	00:00:00.58

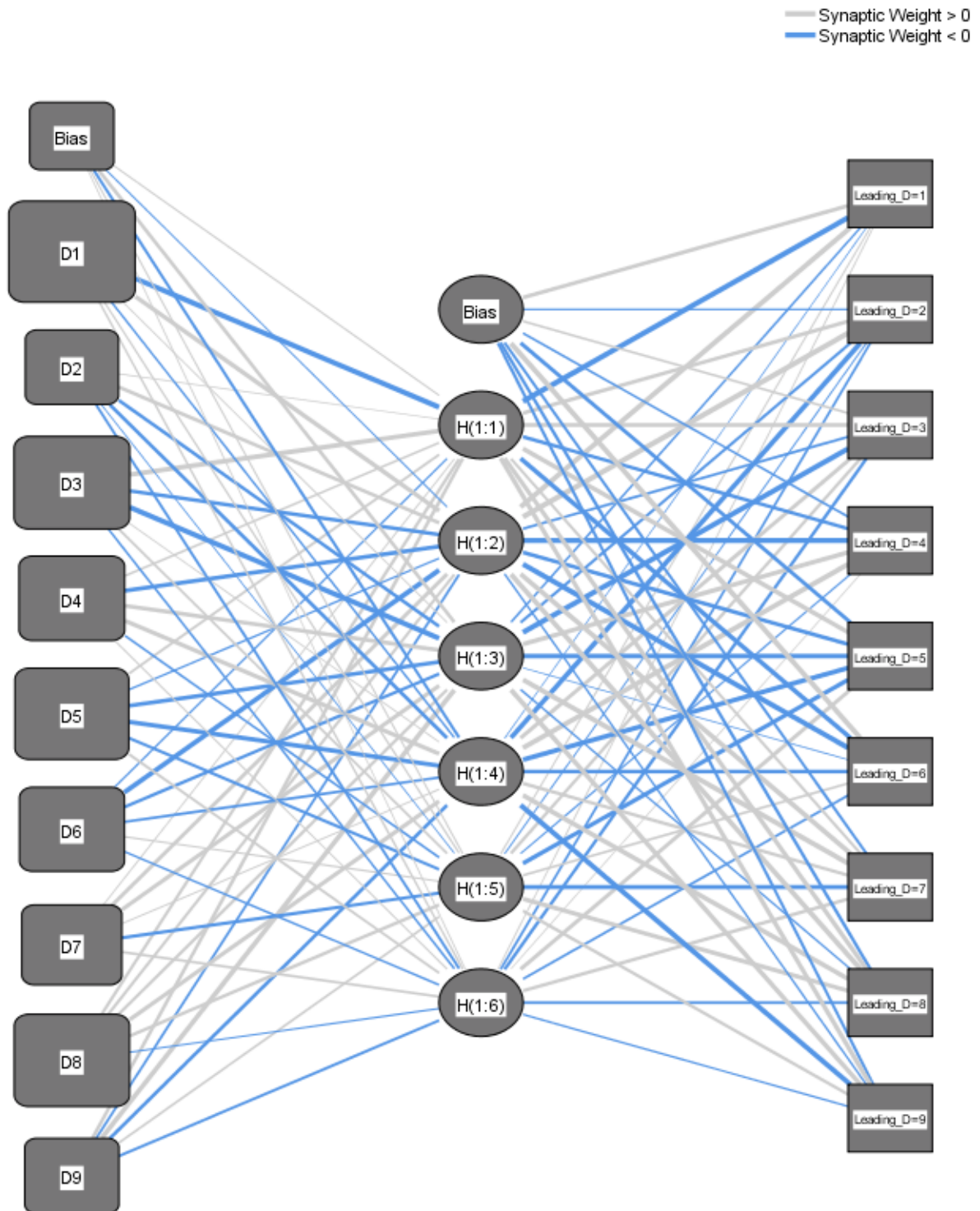
Case Processing Summary

		N	Percent
Sample	Training	76	73.1%
	Testing	28	26.9%
Valid		104	100.0%
Excluded		0	
Total		104	

Network Information

Input Layer	Covariates	1	CONTACT RESTRICTION
		2	SANITATION AND HYGIENE
		3	ISOLATION OF INFECTED
		4	TOTAL ISOLATION
		5	HEALTH CARE
		6	VIRUS DISSEMINATION
		7	LIFESTYLE CHANGES
		8	RIGHTS AND FREEDOMS INFRINGEMENT
		9	BUREAUCRATIC RESPONSE
		Number of Units ^a	
	Rescaling Method for Covariates		Standardized
Hidden Layer(s)	Number of Hidden Layers		1
	Number of Units in Hidden Layer 1 ^a		6
	Activation Function		Hyperbolic tangent
Output Layer	Dependent Variables	1	Leading discourse in meaning
	Number of Units		9
	Activation Function		Softmax
	Error Function		Cross-entropy

a. Excluding the bias unit



Hidden layer activation function: Hyperbolic tangent

Output layer activation function: Softmax

Model Summary

Training	Cross Entropy Error	14.282
	Percent Incorrect Predictions	9.2%
	Stopping Rule Used	1 consecutive step(s) with no decrease in error ^a
	Training Time	0:00:00.08
Testing	Cross Entropy Error	8.563
	Percent Incorrect Predictions	17.9%

Dependent Variable: Leading discourse in meaning

a. Error computations are based on the testing sample.

Parameter Estimates

Predictor	Hidden Layer 1						Output Layer									
	H(1:1)	H(1:2)	H(1:3)	H(1:4)	H(1:5)	H(1:6)	[Leading_D= 1]	[Leading_D= 2]	[Leading_D= 3]	[Leading_D= 4]	[Leading_D= 5]	[Leading_D= 6]	[Leading_D= 7]	[Leading_D= 8]	[Leading_D= 9]	
Input Layer	(Bias)	.247	-.199	1.155	-.821	.222	.113									
	D1	-3.836	1.626	.144	-.458	.316	.439									
	D2	.081	1.203	-1.139	-1.227	-.119	-.718									
	D3	2.075	-1.262	-3.514	.134	.601	-.546									
	D4	.536	-1.507	1.427	1.527	-.547	.206									
	D5	.624	-.387	-1.407	-1.779	-.843	.648									
	D6	-.328	-2.599	-.953	-.749	.260	-.499									
	D7	.149	1.292	1.414	.191	-1.012	.687									
	D8	.885	.816	.848	1.443	1.018	-.302									
	D9	1.150	-.616	2.205	-1.185	.582	-.756									
Hidden Layer	(Bias)						1.394	-.312	.597	-.582	-1.277	3.481	-.799	-1.001	-.830	
1	H(1:1)						-5.796	1.262	1.485	-1.192	1.841	-1.971	.781	1.686	1.725	
	H(1:2)						3.040	4.013	-.690	-4.012	-1.402	-3.676	2.391	2.667	-.424	
	H(1:3)						-.526	-.811	-3.864	1.974	-1.916	-.096	2.709	-.399	2.169	
	H(1:4)						-.028	-2.478	1.358	2.887	-2.191	-1.229	1.089	2.108	-3.384	
	H(1:5)						.207	-.196	.890	-.295	-1.591	.607	-1.468	1.601	.943	

H(1:6							.145	-.605	-.969	.060	1.317	-.598	1.134	-.826	-.350
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Classification

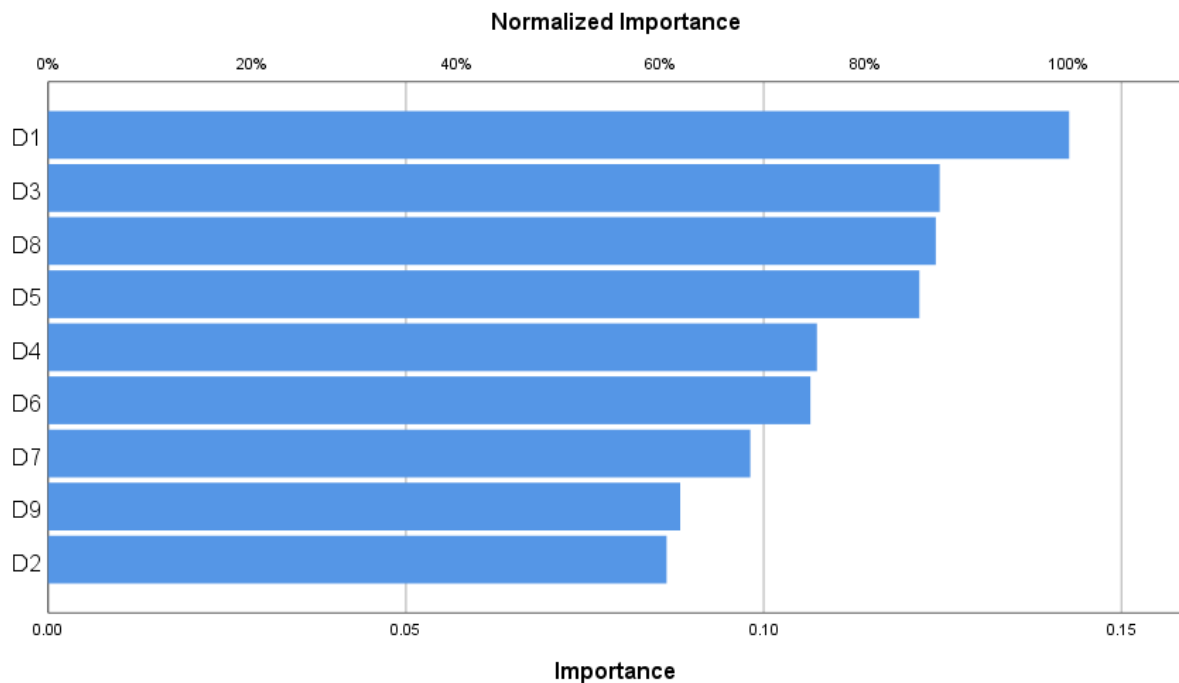
Sample	Observed	Predicted									Percent Correct
		1	2	3	4	5	6	7	8	9	
Training	1	14	0	0	0	0	0	0	0	0	100.0%
	2	0	4	0	0	0	0	0	0	1	80.0%
	3	0	0	7	0	0	0	0	0	0	100.0%
	4	0	0	0	7	0	0	0	0	0	100.0%
	5	0	0	0	0	3	0	0	0	0	100.0%
	6	1	0	1	1	0	15	0	0	1	78.9%
	7	0	0	0	0	0	1	7	1	0	77.8%
	8	0	0	0	0	0	0	0	3	0	100.0%
	9	0	0	0	0	0	0	0	0	9	100.0%
	Overall	Percent	19.7%	5.3%	10.5%	10.5%	3.9%	21.1%	9.2%	5.3%	14.5%
Testing	1	6	0	0	0	1	0	0	0	0	85.7%
	2	0	1	0	0	0	0	0	0	1	50.0%
	3	0	0	2	0	0	1	0	0	0	66.7%
	4	0	0	0	0	0	0	0	0	0	0.0%
	5	0	0	0	0	1	0	0	0	0	100.0%
	6	1	0	1	0	0	4	0	0	0	66.7%
	7	0	0	0	0	0	0	4	0	0	100.0%
	8	0	0	0	0	0	0	0	2	0	100.0%
	9	0	0	0	0	0	0	0	0	3	100.0%
	Overall	Percent	25.0%	3.6%	10.7%	0.0%	7.1%	17.9%	14.3%	7.1%	14.3%

Dependent Variable: Leading discourse in meaning

Independent Variable Importance

	Importance	Normalized Importance
CONTACT RESTRICTION	.143	100.0%
SANITATION AND HYGIENE	.086	60.6%
ISOLATION OF INFECTED	.125	87.3%

TOTAL ISOLATION	.107	75.3%
HEALTH CARE	.122	85.3%
VIRUS DISSEMINATION	.107	74.7%
LIFESTYLE CHANGES	.098	68.8%
RIGHTS AND FREEDOMS INFRINGEMENT	.124	86.9%
BUREAUCRATIC RESPONSE	.088	61.9%



```

*Multilayer Perceptron Network.
MLP Leading_D (MLEVEL=N) WITH D1 D2 D3 D4 D5 D6 D7 D8 D9
/RESCALE COVARIATE=STANDARDIZED
/PARTITION TRAINING=7 TESTING=3 HOLDOUT=0
/ARCHITECTURE AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50)
/CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE
LAMBDAINITIAL=0.000005
SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000
/PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE
/PLOT NETWORK
/STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15)
MAXEPOCHS=AUTO
ERRORCHANGE=1.0E-4 ERRORRATIO=0.001
/MISSING USERMISSING=INCLUDE .

```

Multilayer Perceptron

Notes

Output Created		10-DEC-2020 15:57:33
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\MyDocs\Science\Quarantine definition survey\SPSS\NN_EN_covid_nominal_9D.sav
	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	104
Missing Value Handling	Definition of Missing	User-missing values for categorical variables are treated as valid data. User-missing values for scale variables and system-missing values for any variables are treated as missing.
	Cases Used	Statistics are based on cases with valid data for all variables used by the procedure.
Weight Handling		not applicable

Syntax

```
MLP Leading_D
(MLEVEL=N) WITH D1 D2
D3 D4 D5 D6 D7 D8 D9
/RESCALE
COVARIATE=STANDARDIZ
ED
/PARTITION
TRAINING=7 TESTING=3
HOLDOUT=0
/ARCHITECTURE
AUTOMATIC=YES
(MINUNITS=1
MAXUNITS=50)
/CRITERIA
TRAINING=BATCH
OPTIMIZATION=SCALED
ONJUGATE
LAMBDAINITIAL=0.0000005
SIGMAINITIAL=0.00005
INTERVALCENTER=0
INTERVALOFFSET=0.5
MEMSIZE=1000
/PRINT CPS
NETWORKINFO SUMMARY
CLASSIFICATION
SOLUTION IMPORTANCE
/PLOT NETWORK
/STOPPINGRULES
ERRORSTEPS= 1
(DATA=AUTO)
TRAININGTIMER=ON
(MAXTIME=15)
MAXEPOCHS=AUTO

ERRORCHANGE=1.0E-4
ERRORRATIO=0.001
/MISSING
USERMISSING=INCLUDE .
```

Resources	Processor Time	00:00:00.58
	Elapsed Time	00:00:00.55

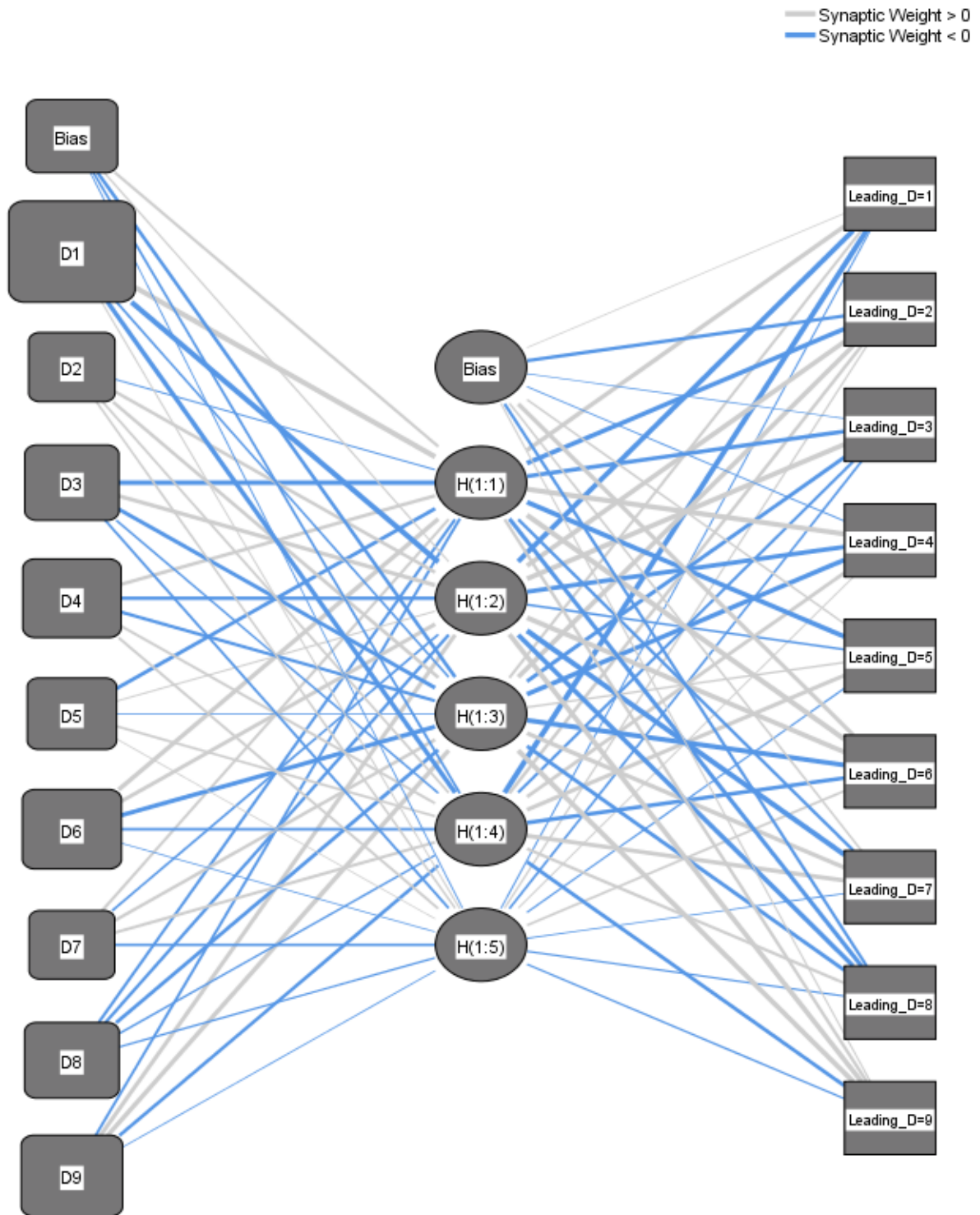
Case Processing Summary

		N	Percent
Sample	Training	75	72.1%
	Testing	29	27.9%
Valid		104	100.0%
Excluded		0	
Total		104	

Network Information

Input Layer	Covariates	1	CONTACT RESTRICTION
		2	SANITATION AND HYGIENE
		3	ISOLATION OF INFECTED
		4	TOTAL ISOLATION
		5	HEALTH CARE
		6	VIRUS DISSEMINATION
		7	LIFESTYLE CHANGES
		8	RIGHTS AND FREEDOMS INFRINGEMENT
		9	BUREAUCRATIC RESPONSE
			Number of Units ^a
	Rescaling Method for Covariates	Standardized	
Hidden Layer(s)	Number of Hidden Layers	1	
	Number of Units in Hidden Layer 1 ^a	5	
	Activation Function	Hyperbolic tangent	
Output Layer	Dependent Variables	1	Leading discourse in meaning
	Number of Units	9	
	Activation Function	Softmax	
	Error Function	Cross-entropy	

a. Excluding the bias unit



Hidden layer activation function: Hyperbolic tangent

Output layer activation function: Softmax

Model Summary

Training	Cross Entropy Error	29.681
	Percent Incorrect Predictions	12.0%
	Stopping Rule Used	1 consecutive step(s) with no decrease in error ^a
	Training Time	0:00:00.07
Testing	Cross Entropy Error	34.438
	Percent Incorrect Predictions	27.6%

Dependent Variable: Leading discourse in meaning

a. Error computations are based on the testing sample.

Parameter Estimates

Predictor	Hidden Layer 1					Output Layer									
	H(1:1)	H(1:2)	H(1:3)	H(1:4)	H(1:5)	[Leading_D= 1]	[Leading_D= 2]	[Leading_D= 3]	[Leading_D= 4]	[Leading_D= 5]	[Leading_D= 6]	[Leading_D= 7]	[Leading_D= 8]	[Leading_D= 9]	
Input Layer	(Bias)	.701	.189	-1.090	-.468	-.095									
	D1	3.136	-3.471	-.364	-1.826	.124									
	D2	-.124	.954	.983	.449	.346									
	D3	-1.733	1.398	-1.349	-.325	-.480									
	D4	1.067	-1.135	-.761	.514	.487									
	D5	-1.162	.153	-.085	.469	.037									
	D6	1.628	1.269	-1.662	-.518	-.066									
	D7	.672	-.443	.896	.701	-.491									
	D8	-.700	-.747	-1.161	-.316	-.297									
	D9	-.553	1.418	1.775	-1.004	-.093									
Hidden Layer 1	(Bias)					.011	-1.116	-.002	-.101	.320	1.454	.334	-.745	.162	
	H(1:1)					1.616	-1.826	-1.422	2.228	-2.057	2.473	-.762	-1.435	.861	
	H(1:2)					-2.229	2.014	2.173	-1.792	-.372	2.063	-2.728	-1.861	2.113	
	H(1:3)					.558	2.008	-1.304	-1.841	.317	-2.085	1.614	-1.232	2.207	
	H(1:4)					-3.138	.914	-.684	1.143	1.367	-1.365	1.547	.740	-1.180	
	H(1:5)					-.145	.285	-.380	.119	-.170	.450	-.067	-.201	-.299	

Classification

Sample Observed Predicted

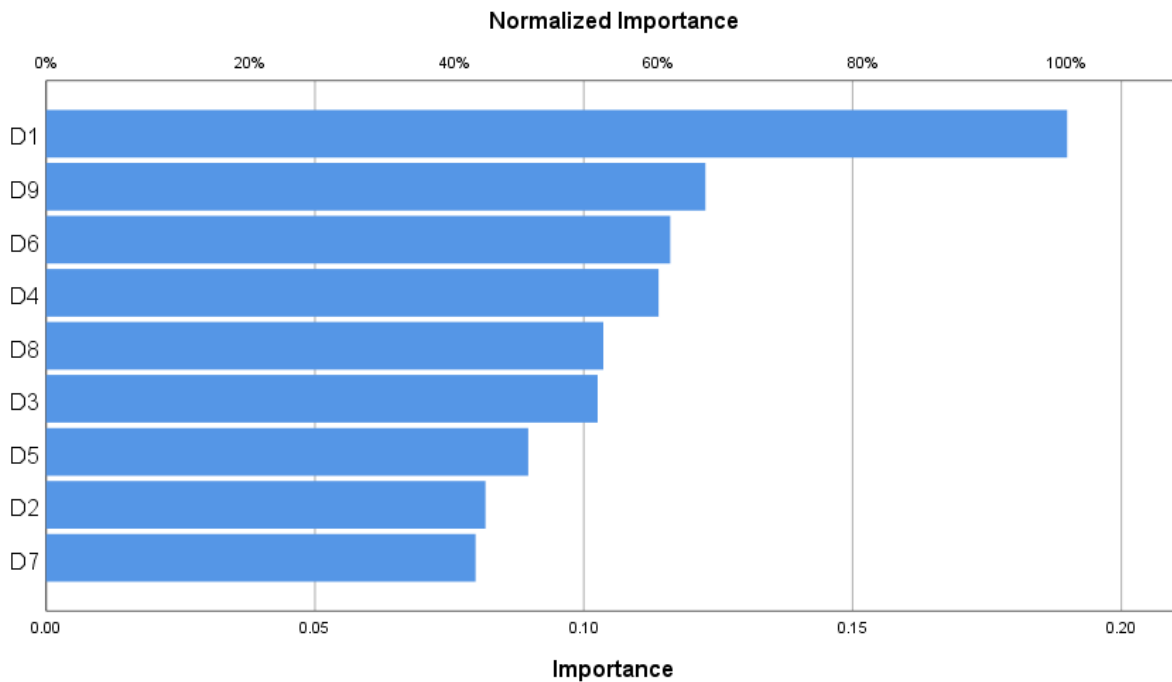
		1	2	3	4	5	6	7	8	9	Percent Correct
Training	1	14	0	0	0	0	0	0	0	0	100.0%
	2	0	6	0	0	0	0	0	0	0	100.0%
	3	0	0	8	0	0	0	0	0	1	88.9%
	4	1	0	0	3	0	0	0	0	0	75.0%
	5	0	0	0	0	4	0	0	0	0	100.0%
	6	1	0	3	0	0	14	0	0	1	73.7%
	7	0	0	0	0	0	0	9	1	0	90.0%
	8	0	0	0	0	0	0	0	3	0	100.0%
	9	0	1	0	0	0	0	0	0	5	83.3%
	Overall Percent	21.3%	9.3%	14.7%	4.0%	5.3%	18.7%	12.0%	5.3%	9.3%	88.0%
Testing	1	7	0	0	0	0	0	0	0	0	100.0%
	2	0	0	1	0	0	0	0	0	0	0.0%
	3	0	0	1	0	0	0	0	0	0	100.0%
	4	0	0	0	2	0	1	0	0	0	66.7%
	5	0	0	0	0	0	0	0	0	0	0.0%
	6	3	0	0	0	0	3	0	0	0	50.0%
	7	0	0	0	0	0	1	2	0	0	66.7%
	8	1	0	1	0	0	0	0	0	0	0.0%
	9	0	0	0	0	0	0	0	0	6	100.0%
	Overall Percent	37.9%	0.0%	10.3%	6.9%	0.0%	17.2%	6.9%	0.0%	20.7%	72.4%

Dependent Variable: Leading discourse in meaning

Independent Variable Importance

	Importance	Normalized Importance
CONTACT RESTRICTION	.190	100.0%
SANITATION AND HYGIENE	.082	43.0%
ISOLATION OF INFECTED	.103	54.0%
TOTAL ISOLATION	.114	60.0%
HEALTH CARE	.090	47.2%
VIRUS DISSEMINATION	.116	61.1%
LIFESTYLE CHANGES	.080	42.1%
RIGHTS AND FREEDOMS INFRINGEMENT	.104	54.6%

BUREAUCRATIC RESPONSE	.123	64.6%
--------------------------	------	-------



```

*Multilayer Perceptron Network.
MLP Leading_D (MLEVEL=N) WITH D1 D2 D3 D4 D5 D6 D7 D8 D9
/RESCALE COVARIATE=STANDARDIZED
/PARTITION TRAINING=7 TESTING=3 HOLDOUT=0
/ARCHITECTURE AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50)
/CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE
LAMBDAINITIAL=0.0000005
SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000
/PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE
/PLOT NETWORK
/STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15)
MAXEPOCHS=AUTO
ERRORCHANGE=1.0E-4 ERRORRATIO=0.001
/MISSING USERMISSING=INCLUDE .

```

Multilayer Perceptron

Notes

Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Science\Quarantine definition survey\SPSS\NN_EN_covid_nominal_9D.sav
	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	104
Missing Value Handling	Definition of Missing	User-missing values for categorical variables are treated as valid data. User-missing values for scale variables and system-missing values for any variables are treated as missing.
	Cases Used	Statistics are based on cases with valid data for all variables used by the procedure.
Weight Handling		not applicable

Syntax

```
MLP Leading_D
(MLEVEL=N) WITH D1 D2
D3 D4 D5 D6 D7 D8 D9
/RESCALE
COVARIATE=STANDARDIZ
ED
/PARTITION
TRAINING=7 TESTING=3
HOLDOUT=0
/ARCHITECTURE
AUTOMATIC=YES
(MINUNITS=1
MAXUNITS=50)
/CRITERIA
TRAINING=BATCH
OPTIMIZATION=SCALED
ONJUGATE
LAMBDAINITIAL=0.0000005
SIGMAINITIAL=0.00005
INTERVALCENTER=0
INTERVALOFFSET=0.5
MEMSIZE=1000
/PRINT CPS
NETWORKINFO SUMMARY
CLASSIFICATION
SOLUTION IMPORTANCE
/PLOT NETWORK
/STOPPINGRULES
ERRORSTEPS= 1
(DATA=AUTO)
TRAININGTIMER=ON
(MAXTIME=15)
MAXEPOCHS=AUTO

ERRORCHANGE=1.0E-4
ERRORRATIO=0.001
/MISSING
USERMISSING=INCLUDE .
```

Resources	Processor Time	00:00:00.53
	Elapsed Time	00:00:00.53

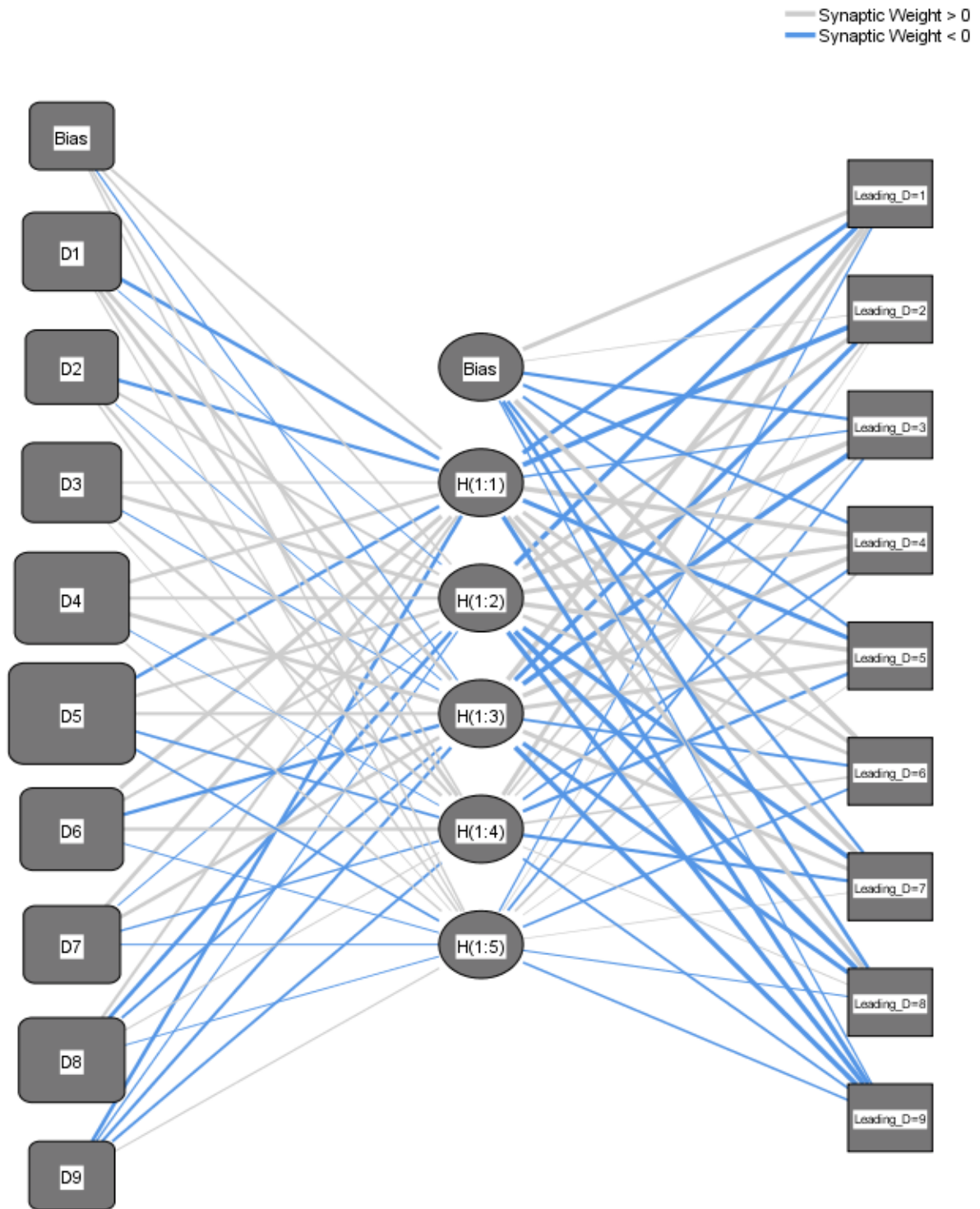
Case Processing Summary

		N	Percent
Sample	Training	75	72.1%
	Testing	29	27.9%
Valid		104	100.0%
Excluded		0	
Total		104	

Network Information

Input Layer	Covariates	1	CONTACT RESTRICTION
		2	SANITATION AND HYGIENE
		3	ISOLATION OF INFECTED
		4	TOTAL ISOLATION
		5	HEALTH CARE
		6	VIRUS DISSEMINATION
		7	LIFESTYLE CHANGES
		8	RIGHTS AND FREEDOMS INFRINGEMENT
		9	BUREAUCRATIC RESPONSE
		Number of Units ^a	
	Rescaling Method for Covariates		Standardized
Hidden Layer(s)	Number of Hidden Layers		1
	Number of Units in Hidden Layer 1 ^a		5
	Activation Function		Hyperbolic tangent
Output Layer	Dependent Variables	1	Leading discourse in meaning
	Number of Units		9
	Activation Function		Softmax
	Error Function		Cross-entropy

a. Excluding the bias unit



Hidden layer activation function: Hyperbolic tangent

Output layer activation function: Softmax

Model Summary

Training	Cross Entropy Error	20.232
	Percent Incorrect Predictions	13.3%
	Stopping Rule Used	1 consecutive step(s) with no decrease in error ^a
	Training Time	0:00:00.09
Testing	Cross Entropy Error	10.173
	Percent Incorrect Predictions	13.8%

Dependent Variable: Leading discourse in meaning

a. Error computations are based on the testing sample.

Parameter Estimates

Predictor	Hidden Layer 1					Output Layer								
	(Bias)	H(1:2)	H(1:3)	H(1:4)	H(1:5)	[Leading_D= 1]	[Leading_D= 2]	[Leading_D= 3]	[Leading_D= 4]	[Leading_D= 5]	[Leading_D= 6]	[Leading_D= 7]	[Leading_D= 8]	[Leading_D= 9]
Input Layer														
(Bias)	.703	.410	-.218	.440	.370									
D1	-1.514	-.104	1.797	1.733	.234									
D2	-1.221	.630	-.055	.919	.420									
D3	.200	1.839	-.184	.959	.035									
D4	1.245	.893	1.939	-.056	.366									
D5	-1.163	1.181	1.024	-.525	-.445									
D6	2.298	.803	-1.260	1.239	-.107									
D7	1.732	-.172	1.296	-.302	-.137									
D8	.833	-1.529	-.773	.106	-.131									
D9	-1.473	-.240	-.900	-.646	.207									
Hidden Layer 1														
(Bias)						1.971	.033	-1.123	-.942	-.796	4.231	-.974	-1.559	-.294
H(1:1)						-2.184	-4.668	-.320	4.386	-2.343	1.875	4.370	2.831	-2.394
H(1:2)						-2.979	1.831	6.112	2.651	3.049	1.425	-3.187	-4.910	-3.246
H(1:3)						4.415	-2.639	-3.657	3.071	2.043	-.698	1.922	-2.337	-3.441
H(1:4)						1.925	.569	.259	-.547	-1.139	.422	-1.136	.087	-.520
H(1:5)						-.278	.031	-.486	.451	.035	-.467	.010	-.140	-.430

Classification

Sample Observed Predicted

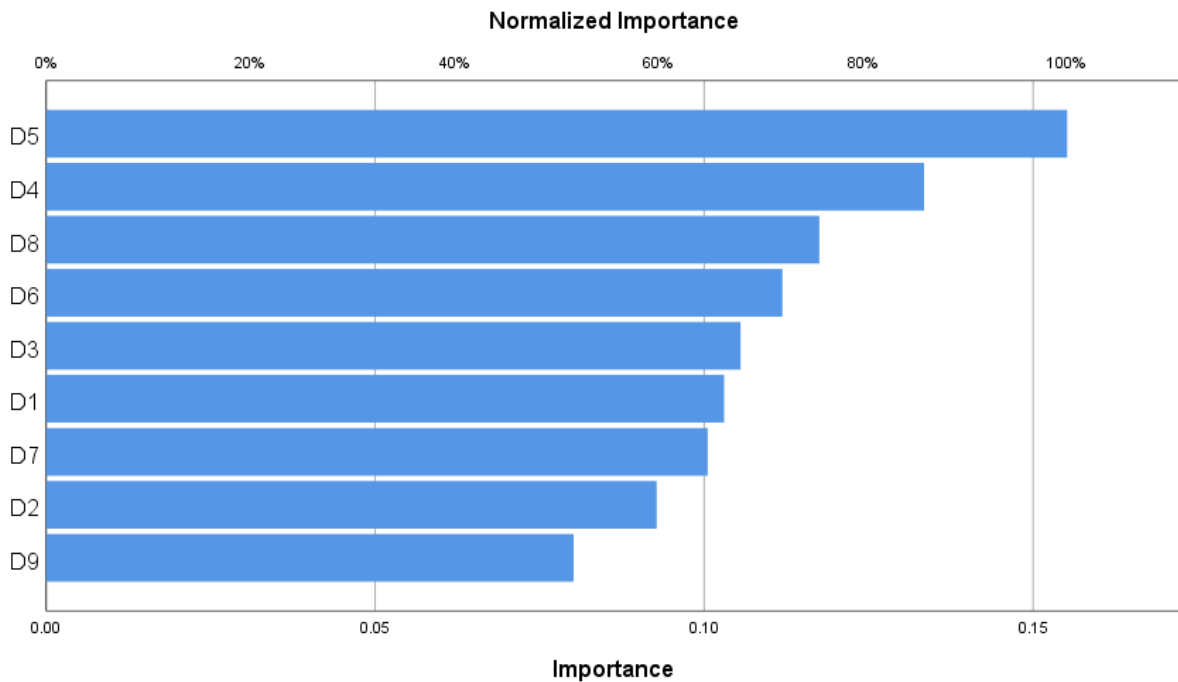
		1	2	3	4	5	6	7	8	9	Percent Correct
Training	1	15	0	0	0	0	0	0	0	0	100.0%
	2	0	4	0	0	0	0	0	0	0	100.0%
	3	0	1	5	0	0	2	0	0	0	62.5%
	4	0	0	0	5	0	0	0	0	0	100.0%
	5	0	0	0	0	3	0	0	0	0	100.0%
	6	2	0	0	1	0	17	0	0	1	81.0%
	7	0	0	0	0	0	1	7	0	0	87.5%
	8	0	0	0	0	0	0	1	3	0	75.0%
	9	0	1	0	0	0	0	0	0	6	85.7%
	Overall	Percent	22.7%	8.0%	6.7%	8.0%	4.0%	26.7%	10.7%	4.0%	9.3%
Testing	1	6	0	0	0	0	0	0	0	0	100.0%
	2	0	2	0	0	1	0	0	0	0	66.7%
	3	0	0	1	0	0	1	0	0	0	50.0%
	4	0	0	0	1	0	1	0	0	0	50.0%
	5	0	0	0	0	1	0	0	0	0	100.0%
	6	0	0	1	0	0	3	0	0	0	75.0%
	7	0	0	0	0	0	0	5	0	0	100.0%
	8	0	0	0	0	0	0	0	1	0	100.0%
	9	0	0	0	0	0	0	0	0	5	100.0%
	Overall	Percent	20.7%	6.9%	6.9%	3.4%	6.9%	17.2%	17.2%	3.4%	17.2%

Dependent Variable: Leading discourse in meaning

Independent Variable Importance

	Importance	Normalized Importance
CONTACT RESTRICTION	.103	66.4%
SANITATION AND HYGIENE	.093	59.8%
ISOLATION OF INFECTED	.106	68.0%
TOTAL ISOLATION	.133	86.0%
HEALTH CARE	.155	100.0%
VIRUS DISSEMINATION	.112	72.1%
LIFESTYLE CHANGES	.101	64.8%
RIGHTS AND FREEDOMS INFRINGEMENT	.118	75.7%

BUREAUCRATIC RESPONSE	.080	51.7%
--------------------------	------	-------



```

*Multilayer Perceptron Network.
MLP Leading_D (MLEVEL=N) WITH D1 D2 D3 D4 D5 D6 D7 D8 D9
/RESCALE COVARIATE=STANDARDIZED
/PARTITION TRAINING=7 TESTING=3 HOLDOUT=0
/ARCHITECTURE AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50)
/CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE
LAMBDAINITIAL=0.0000005
SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000
/PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE
/PLOT NETWORK
/STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15)
MAXEPOCHS=AUTO
ERRORCHANGE=1.0E-4 ERRORRATIO=0.001
/MISSING USERMISSING=INCLUDE .

```

Multilayer Perceptron

Notes

Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Science\Quarantine definition survey\SPSS\NN_EN_covid_nominal_9D.sav
	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	104
Missing Value Handling	Definition of Missing	User-missing values for categorical variables are treated as valid data. User-missing values for scale variables and system-missing values for any variables are treated as missing.
	Cases Used	Statistics are based on cases with valid data for all variables used by the procedure.
Weight Handling		not applicable

Syntax

```

MLP Leading_D
(MLEVEL=N) WITH D1 D2
D3 D4 D5 D6 D7 D8 D9
/RESCALE
COVARIATE=STANDARDIZ
ED
/PARTITION
TRAINING=7 TESTING=3
HOLDOUT=0
/ARCHITECTURE
AUTOMATIC=YES
(MINUNITS=1
MAXUNITS=50)
/CRITERIA
TRAINING=BATCH
OPTIMIZATION=SCALED
ONJUGATE
LAMBDAINITIAL=0.0000005
SIGMAINITIAL=0.00005
INTERVALCENTER=0
INTERVALOFFSET=0.5
MEMSIZE=1000
/PRINT CPS
NETWORKINFO SUMMARY
CLASSIFICATION
SOLUTION IMPORTANCE
/PLOT NETWORK
/STOPPINGRULES
ERRORSTEPS= 1
(DATA=AUTO)
TRAININGTIMER=ON
(MAXTIME=15)
MAXEPOCHS=AUTO

ERRORCHANGE=1.0E-4
ERRORRATIO=0.001
/MISSING
USERMISSING=INCLUDE .

```

Resources	Processor Time	00:00:00.56
	Elapsed Time	00:00:00.49

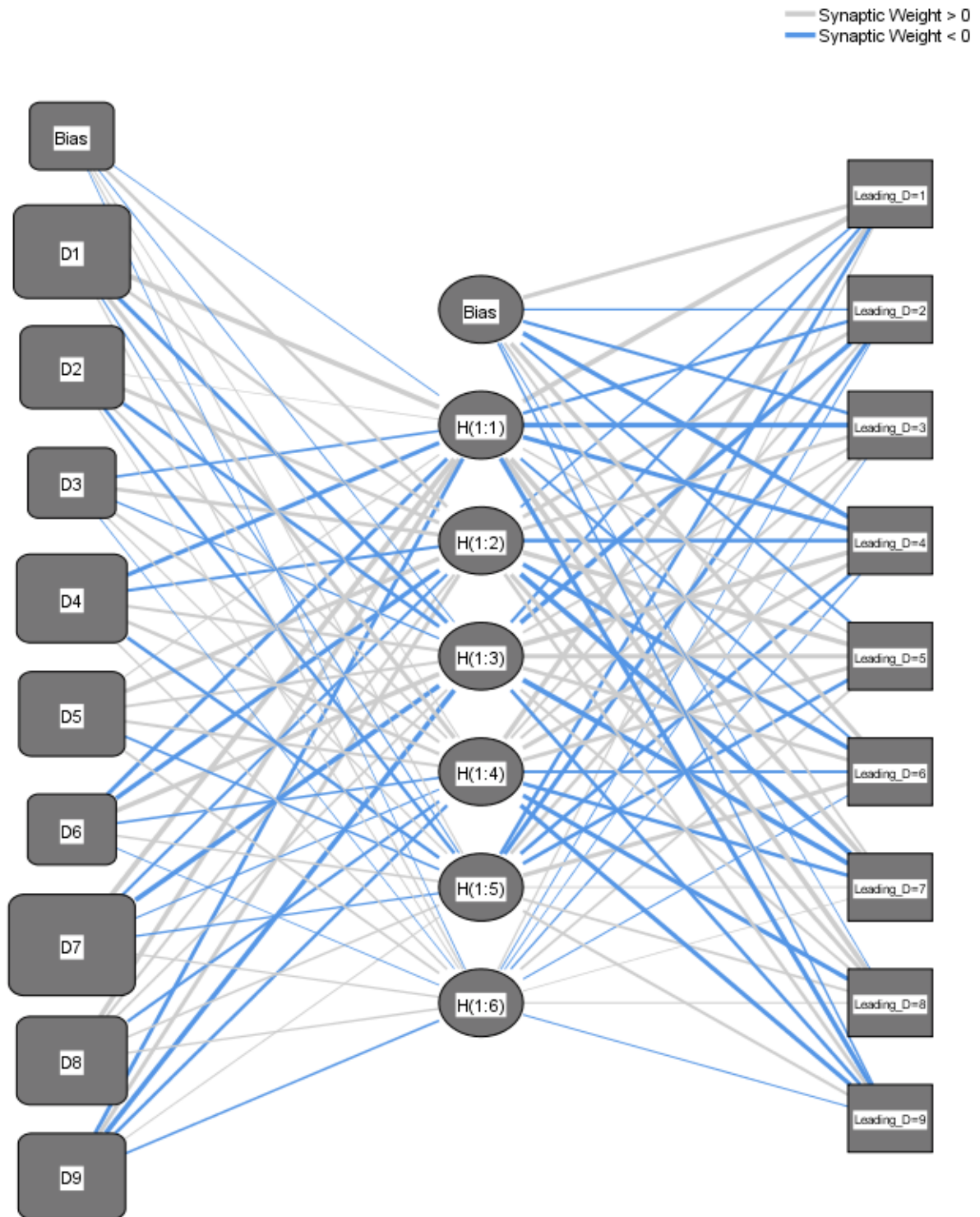
Case Processing Summary

		N	Percent
Sample	Training	67	64.4%
	Testing	37	35.6%
Valid		104	100.0%
Excluded		0	
Total		104	

Network Information

Input Layer	Covariates	1	CONTACT RESTRICTION
		2	SANITATION AND HYGIENE
		3	ISOLATION OF INFECTED
		4	TOTAL ISOLATION
		5	HEALTH CARE
		6	VIRUS DISSEMINATION
		7	LIFESTYLE CHANGES
		8	RIGHTS AND FREEDOMS INFRINGEMENT
		9	BUREAUCRATIC RESPONSE
		Number of Units ^a	
	Rescaling Method for Covariates		Standardized
Hidden Layer(s)	Number of Hidden Layers		1
	Number of Units in Hidden Layer 1 ^a		6
	Activation Function		Hyperbolic tangent
Output Layer	Dependent Variables	1	Leading discourse in meaning
	Number of Units		9
	Activation Function		Softmax
	Error Function		Cross-entropy

a. Excluding the bias unit



Hidden layer activation function: Hyperbolic tangent

Output layer activation function: Softmax

Model Summary

Training	Cross Entropy Error	13.016
	Percent Incorrect Predictions	9.0%
	Stopping Rule Used	1 consecutive step(s) with no decrease in error ^a
	Training Time	0:00:00.04
Testing	Cross Entropy Error	38.160
	Percent Incorrect Predictions	27.0%

Dependent Variable: Leading discourse in meaning

a. Error computations are based on the testing sample.

Parameter Estimates

Predictor	Hidden Layer 1						Output Layer									
	H(1:1)	H(1:2)	H(1:3)	H(1:4)	H(1:5)	H(1:6)	[Leading_D= 1]	[Leading_D= 2]	[Leading_D= 3]	[Leading_D= 4]	[Leading_D= 5]	[Leading_D= 6]	[Leading_D= 7]	[Leading_D= 8]	[Leading_D= 9]	
Input Layer	(Bias)	-.086	1.105	-.127	.145	.226	-.058									
	D1	3.165	1.023	-1.474	1.559	-.204	.273									
	D2	.038	1.390	-1.258	.535	-1.063	.150									
	D3	-.581	1.436	-.299	.687	.276	-.041									
	D4	-1.641	-.731	.921	1.156	-1.107	.313									
	D5	.233	1.748	.695	.717	-.518	.567									
	D6	-1.515	-1.984	2.111	-.501	.440	-.101									
	D7	3.326	-.719	-2.325	-.244	-.302	.277									
	D8	2.133	.657	.488	-.796	.416	.334									
	D9	-1.402	1.409	-2.437	-1.036	.155	-.478									
Hidden Layer	(Bias)						1.658	-.320	-.969	-2.092	-.693	1.662	.626	-.124	-.428	
1	H(1:1)						3.266	-.987	-3.006	-2.061	.391	-.636	2.503	2.503	-1.984	
	H(1:2)						-.473	1.400	1.141	-1.386	2.346	-1.933	-3.278	1.556	1.110	
	H(1:3)						-.846	-2.248	.580	2.445	2.051	1.383	-2.791	.684	-1.151	
	H(1:4)						2.210	.631	.677	1.508	1.459	-.823	-1.331	-1.924	-1.833	
	H(1:5)						-1.158	-1.569	1.085	-1.238	-1.203	1.593	.137	.608	.706	

H(1:6							.258	-.144	-.071	-.273	.536	-.200	.042	.237	-.170
-------	--	--	--	--	--	--	------	-------	-------	-------	------	-------	------	------	-------

Classification

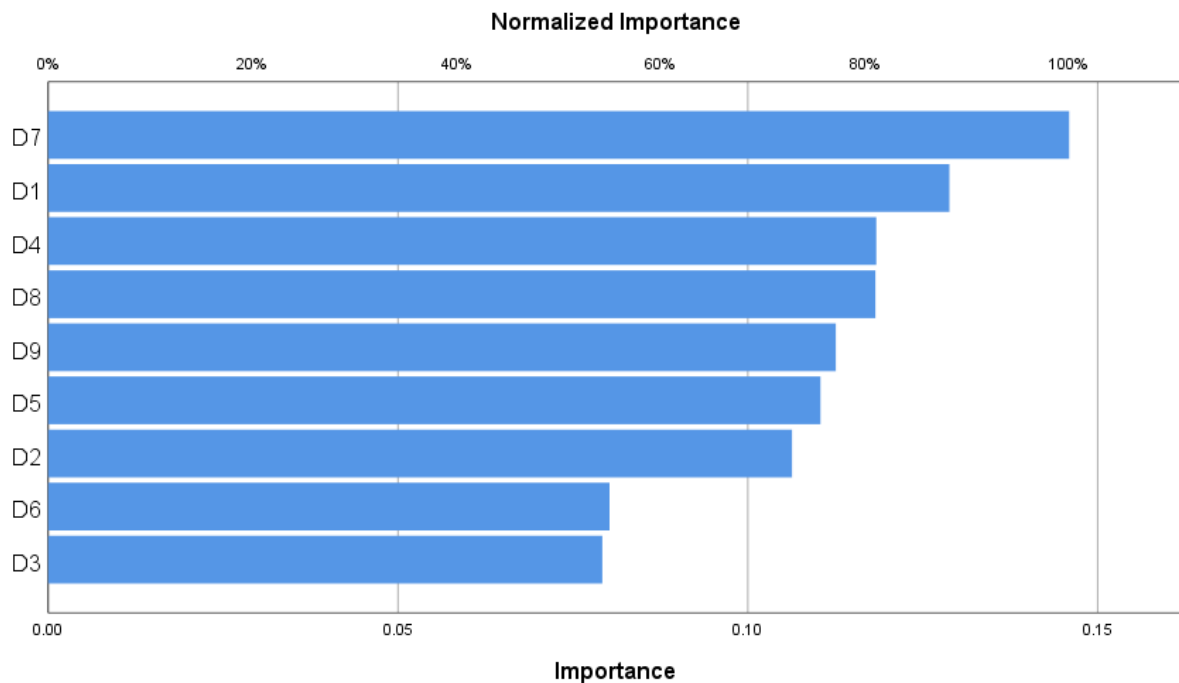
Sample	Observed	Predicted									Percent Correct
		1	2	3	4	5	6	7	8	9	
Training	1	16	0	0	0	0	0	0	0	0	100.0%
	2	0	5	0	0	0	0	0	0	0	100.0%
	3	0	0	4	0	0	0	0	0	0	100.0%
	4	0	0	0	3	0	1	0	0	0	75.0%
	5	0	0	0	0	3	0	0	0	0	100.0%
	6	1	0	1	0	0	13	0	0	1	81.3%
	7	0	0	0	0	0	0	8	1	0	88.9%
	8	0	0	0	0	0	0	0	4	0	100.0%
	9	0	1	0	0	0	0	0	0	5	83.3%
	Overall	Percent	25.4%	9.0%	7.5%	4.5%	4.5%	20.9%	11.9%	7.5%	9.0%
Testing	1	5	0	0	0	0	0	0	0	0	100.0%
	2	0	2	0	0	0	0	0	0	0	100.0%
	3	0	1	4	0	0	0	0	0	1	66.7%
	4	0	0	0	3	0	0	0	0	0	100.0%
	5	0	0	0	0	1	0	0	0	0	100.0%
	6	2	0	1	1	0	2	2	0	1	22.2%
	7	0	0	0	0	0	0	4	0	0	100.0%
	8	0	0	0	0	0	1	0	0	0	0.0%
	9	0	0	0	0	0	0	0	0	6	100.0%
	Overall	Percent	18.9%	8.1%	13.5%	10.8%	2.7%	8.1%	16.2%	0.0%	21.6%

Dependent Variable: Leading discourse in meaning

Independent Variable Importance

	Importance	Normalized Importance
CONTACT RESTRICTION	.129	88.3%
SANITATION AND HYGIENE	.106	72.9%
ISOLATION OF INFECTED	.079	54.3%

TOTAL ISOLATION	.118	81.1%
HEALTH CARE	.110	75.6%
VIRUS DISSEMINATION	.080	55.0%
LIFESTYLE CHANGES	.146	100.0%
RIGHTS AND FREEDOMS INFRINGEMENT	.118	81.0%
BUREAUCRATIC RESPONSE	.113	77.1%



```

*Multilayer Perceptron Network.
MLP Leading_D (MLEVEL=N) WITH D1 D2 D3 D4 D5 D6 D7 D8 D9
/RESCALE COVARIATE=STANDARDIZED
/PARTITION TRAINING=7 TESTING=3 HOLDOUT=0
/ARCHITECTURE AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50)
/CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE
LAMBDAINITIAL=0.000005
SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000
/PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE
/PLOT NETWORK
/STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15)
MAXEPOCHS=AUTO
ERRORCHANGE=1.0E-4 ERRORRATIO=0.001
/MISSING USERMISSING=INCLUDE .

```

Multilayer Perceptron

Notes

Output Created		10-DEC-2020 15:57:57
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\MyDocs\Science\Quarantine definition survey\SPSS\NN_EN_covid_nominal_9D.sav
	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	104
Missing Value Handling	Definition of Missing	User-missing values for categorical variables are treated as valid data. User-missing values for scale variables and system-missing values for any variables are treated as missing.
	Cases Used	Statistics are based on cases with valid data for all variables used by the procedure.
Weight Handling		not applicable

Syntax

```

MLP Leading_D
(MLEVEL=N) WITH D1 D2
D3 D4 D5 D6 D7 D8 D9
/RESCALE
COVARIATE=STANDARDIZ
ED
/PARTITION
TRAINING=7 TESTING=3
HOLDOUT=0
/ARCHITECTURE
AUTOMATIC=YES
(MINUNITS=1
MAXUNITS=50)
/CRITERIA
TRAINING=BATCH
OPTIMIZATION=SCALED
ONJUGATE
LAMBDAINITIAL=0.0000005
SIGMAINITIAL=0.00005
INTERVALCENTER=0
INTERVALOFFSET=0.5
MEMSIZE=1000
/PRINT CPS
NETWORKINFO SUMMARY
CLASSIFICATION
SOLUTION IMPORTANCE
/PLOT NETWORK
/STOPPINGRULES
ERRORSTEPS= 1
(DATA=AUTO)
TRAININGTIMER=ON
(MAXTIME=15)
MAXEPOCHS=AUTO

ERRORCHANGE=1.0E-4
ERRORRATIO=0.001
/MISSING
USERMISSING=INCLUDE .
    
```

Resources	Processor Time	00:00:00.55
	Elapsed Time	00:00:00.54

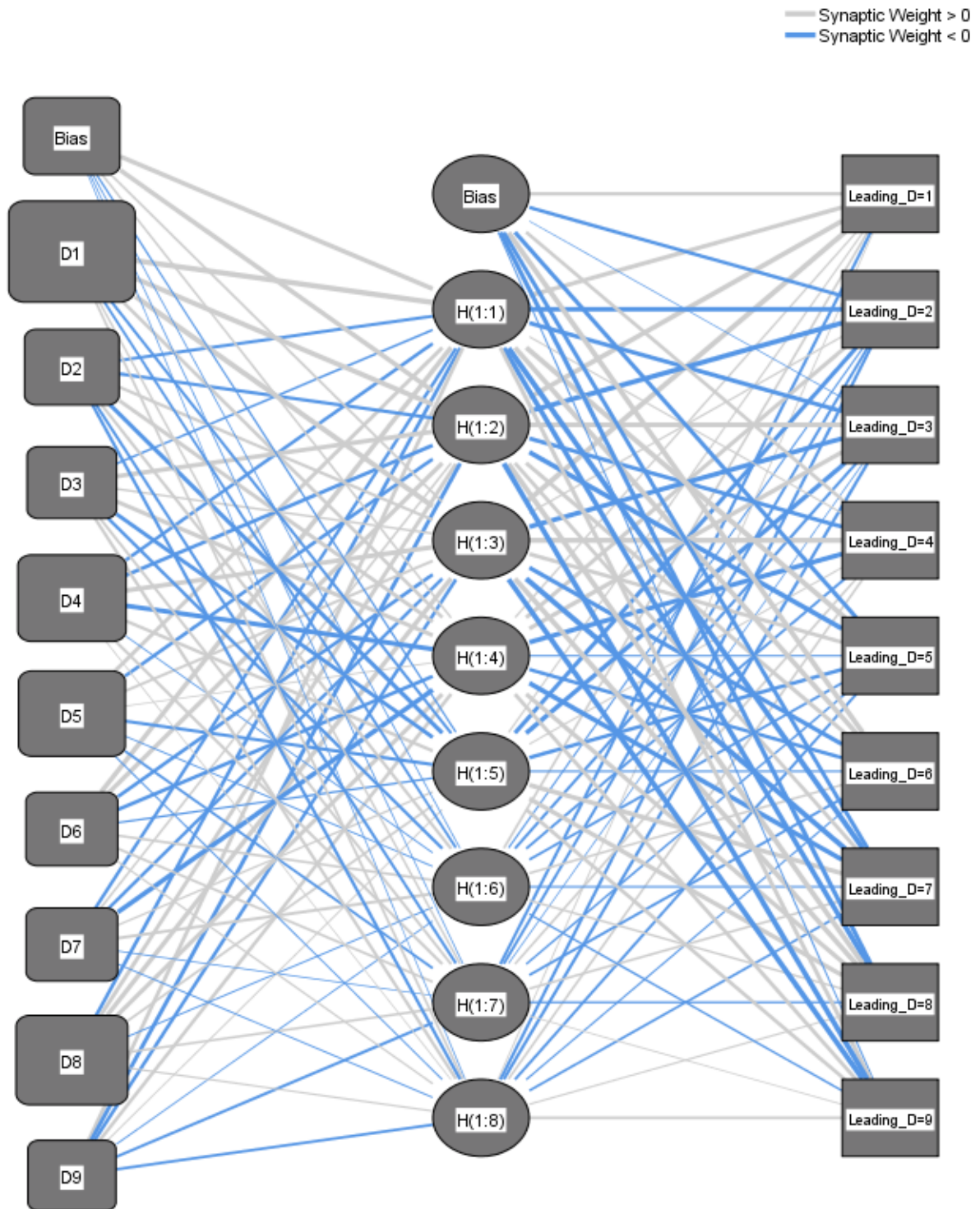
Case Processing Summary

		N	Percent
Sample	Training	72	69.2%
	Testing	32	30.8%
Valid		104	100.0%
Excluded		0	
Total		104	

Network Information

Input Layer	Covariates	1	CONTACT RESTRICTION
		2	SANITATION AND HYGIENE
		3	ISOLATION OF INFECTED
		4	TOTAL ISOLATION
		5	HEALTH CARE
		6	VIRUS DISSEMINATION
		7	LIFESTYLE CHANGES
		8	RIGHTS AND FREEDOMS INFRINGEMENT
		9	BUREAUCRATIC RESPONSE
			Number of Units ^a
	Rescaling Method for Covariates	Standardized	
Hidden Layer(s)	Number of Hidden Layers	1	
	Number of Units in Hidden Layer 1 ^a	8	
	Activation Function	Hyperbolic tangent	
Output Layer	Dependent Variables	1	Leading discourse in meaning
	Number of Units	9	
	Activation Function	Softmax	
	Error Function	Cross-entropy	

a. Excluding the bias unit



Hidden layer activation function: Hyperbolic tangent

Output layer activation function: Softmax

H(1:5)								.172	-1.012	-1.311	.113	-.795	-.157	1.333	1.221	.736
H(1:6)								.294	-.150	-.417	-.328	-.319	.272	-.192	.245	-.218
H(1:7)								-.460	-.385	-.014	.290	-.236	-.330	.298	-.228	.054
H(1:8)								.059	-.469	-.475	.285	-.353	-.159	-.309	.171	.382

Classification

Sample	Observed	Predicted									Percent Correct	
		1	2	3	4	5	6	7	8	9		
Training	1	14	0	0	0	0	0	0	0	0	0	100.0%
	2	0	3	0	0	0	0	0	0	0	0	100.0%
	3	0	0	6	0	0	1	0	0	0	0	85.7%
	4	1	0	0	3	0	1	0	0	0	0	60.0%
	5	0	0	0	0	2	0	0	0	0	0	100.0%
	6	2	0	1	0	0	15	0	0	1	0	78.9%
	7	0	0	0	0	0	1	7	0	0	0	87.5%
	8	0	0	0	0	0	0	0	4	0	0	100.0%
	9	0	1	0	0	0	0	0	0	0	9	90.0%
	Overall		23.6%	5.6%	9.7%	4.2%	2.8%	25.0%	9.7%	5.6%	13.9%	87.5%
Percent												
Testing	1	7	0	0	0	0	0	0	0	0	0	100.0%
	2	0	2	0	0	1	0	0	1	0	0	50.0%
	3	0	1	2	0	0	0	0	0	0	0	66.7%
	4	0	0	0	2	0	0	0	0	0	0	100.0%
	5	0	0	0	1	1	0	0	0	0	0	50.0%
	6	2	0	1	0	0	3	0	0	0	0	50.0%
	7	0	0	0	0	0	0	4	1	0	0	80.0%
	8	0	0	0	0	0	0	0	1	0	0	100.0%
	9	0	0	0	0	0	0	0	0	0	2	100.0%
	Overall		28.1%	9.4%	9.4%	9.4%	6.3%	9.4%	12.5%	9.4%	6.3%	75.0%
Percent												

Dependent Variable: Leading discourse in meaning

Independent Variable Importance

	Importance	Normalized Importance
CONTACT RESTRICTION	.192	100.0%
SANITATION AND HYGIENE	.091	47.3%
ISOLATION OF INFECTED	.075	38.7%
TOTAL ISOLATION	.134	69.7%
HEALTH CARE	.129	67.1%
VIRUS DISSEMINATION	.082	42.8%
LIFESTYLE CHANGES	.081	41.8%
RIGHTS AND FREEDOMS INFRINGEMENT	.146	75.8%
BUREAUCRATIC RESPONSE	.070	36.5%

